Jan. 1994 No. 60086

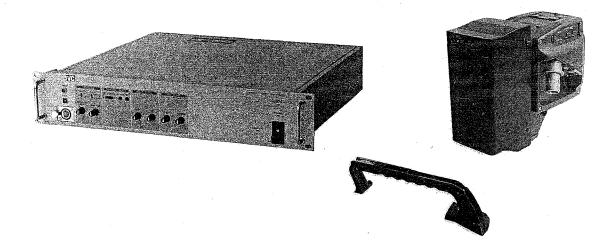
# JVC Service Manual

TRIAXIAL UNIT (and CAMERA ADAPTER)

MODEL RM-P270

VICTOR COMPANY OF JAPAN, LIMITED

# JVC Service Manual



MODEL RM-P270

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# **Important Safety Precautions**

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

# Precautions during Servicing

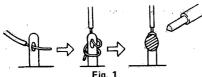
- Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.
- Parts identified by the symbol and shaded ( parts are critical for safety.

Replace only with specified part numbers.

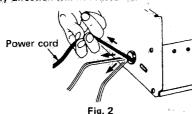
Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

- Fuse replacement caution notice.
   Caution for continued protection against fire hazard.
   Replace only with same type and rated fuse(s) as specified.
- 4. Use specified internal wiring. Note especially:
  - 1) Wires covered with PVC tubing
  - 2) Double insulated wires
  - 3) High voltage leads
- Use specified insulating materials for hazardous live parts. Note especially:
  - 1) Insulation Tape
- 3) Spacers
- 5) Barrier

- 2) PVC tubing
- 4) Insulation sheets for transistors
- When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.



- Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)
- Check that replaced wires do not contact sharp edged or pointed parts.
- When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.



- 10. Also check areas surrounding repaired locations.
- 11. Products using cathode ray tubes (CRTs)

  In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

12. Crimp type wire connector

In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.

- 1) Connector part number: E03830-001
- Required tool: Connector crimping tool of the proper type which will not damage insulated parts.
- 3) Replacement procedure
  - (1) Remove the old connector by cutting the wires at a point close to the connector.

Important: Do not reuse a connector (discard it).

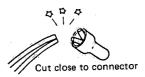


Fig. 3

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.



(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

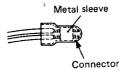


Fig. 5

(4) As shown in Fig. 6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.



Fig. 6

(5) Check the four points noted in Fig. 7.

Not easily pulled free Crimped at approx. center of metal sleeve

Conductors extended

Wire insulation recessed more than 4 mm

Fig. 7

# Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions, Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

#### 1. Insulation resistance test

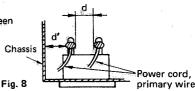
Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

#### 2. Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

#### 3. Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

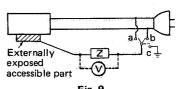


#### 4. Leakage current test

Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).

Measuring Method: (Power ON)

Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

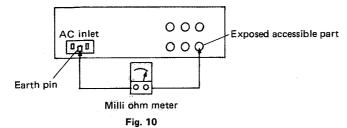


#### 5. Grounding (Class I model only)

Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).

# Measuring Method:

Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.



#### **Grounding Specifications**

Region	Grounding Impedance (Z)
USA & Canada	Z ≦ 0.1 ohm
Europe & Australia	Z ≦ 0.5 ohm

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V		R≥1 MΩ/500 V DC	AC 1 kV 1 minute	d, d'≧ 3 mm
100 to 240 V	Japan	H ≤ 1 M22/500 V DC	AC 1.5 kV 1 minute	d, d'≧ 4 mm
110 to 130 V	USA & Canada	_	AC 900 V 1 minute	d, d' ≧ 3.2 mm
110 to 130 V 200 to 240 V	Europe & Australia	R≧10 MΩ /500 V DC	AC 3 kV 1 minute (Class II) AC 1.5 kV 1 minute (Class I)	d ≧ 4 mm d' ≧ 8 mm (Power cord) d' ≧ 6 mm (Primary wire)

Table 1 Specifications for each region

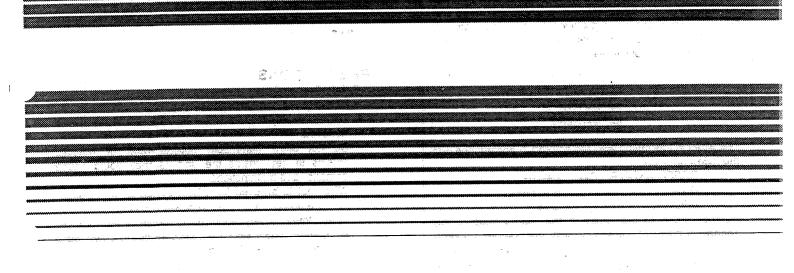
AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan	ο <b>Λ</b> νλο 1 kΩ	i ≦ 1 mA rms	Exposed accessible parts
110 to 130 V	USA & Canada	0.15 μ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ Γ	i ≦ 0.5 mA rms	Exposed accessible parts
110 to 130 V 220 to 240 V	F 9. Assessi	0—∕√√—0 2 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Antenna earth terminals
	Europe & Australia	0	i ≦ 0.7 mA peak i ≦ 2 mA dc	Other terminals

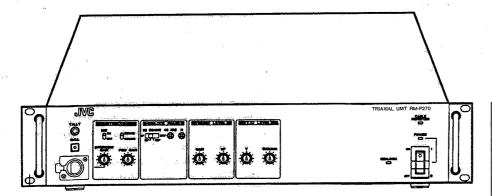
Table 2 Leakage current specifications for each region

Note: These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

# JVC Instructions

# TRIAXIAL UNIT





### For Customer Use :

Enter below the Serial No. which is located on the rear panel. Retain this information for future reference.

Model No.

RM-P270

Serial No.

Due to design modifications, data given in this instruction book are subject to possible change without prior notice.

## **WARNING:**

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

#### **AVERTISSEMENT:**

POUR EVITER LES RISQUES D'INCENDIE OU D'ELECTROCUTION, NE PAS EXPOSER L'APPAREIL A L'HUMIDITE OU A LA PLUIE.

#### **Warning Notice** FOR YOUR SAFETY

To ensure safe operation the three-pin plug supplied must be inserted only into a standard three-pin power point which is effectively grounded through the normal household wiring.

Extension cords used with the equipment must be threecore and be correctly wired to provide connection to earth ground. Wrongly wired extension cords are a major cause of fatalities.

The fact that the equipment operates satisfactorily does not imply that the power point is properly grounded and that the installation is completely safe. For your safety, if in any doubt about the correct grounding of the power point, consult a qualified electrician.

## WARNING — THIS APPLIANCE MUST **BE EARTHED** IMPORTANT

The wires in this mains lead are colored in accordance with the following code:

> GREEN-AND-YELLOW: EARTH BLUE:

· · · salar- Marketill

18 18 19 W

**NEUTRAL** 

**BROWN:** 

LIVE

As the colors of the wires in the mains lead of this apparatus may not correspond with the colored markings identifying the terminals in your plug, proceed as follows. The wire which is colored GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the safety earth symbol  $\frac{1}{2}$  or colored GREEN or GREEN-AND-YELLOW. The wire which is colored BLUE must be connected to the terminal which is marked with the letter N or colored BLACK. The wire which is colored BROWN must be connected to the terminal which is marked with the letter L or colored RED.

## CAUTION! CHECK YOUR LINE VOLTAGE.

Before inserting the power plug, please check this setting to see that it corresponds with the line voltage in your area.

The RM-LP37 or RM-LP35 remote control unit (option) is required to remotely operate the camera controls.

Thank you for purchasing the RM-P270 triaxial unit. Please read this instruction manual carefully to fully utilize the functions of the RM-P270.

• The RM-P270 triaxial unit is designed to remotely operate a KY-27 or KY-19 color video camera when it is used in a studio video system.

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### **FEATURES**

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# •Can be extended up to 1500 m

The distance between the camera and triaxial unit can be extended up to 1500 m using cables 14.5 mm in diameter.

#### Built-in genlock function

Genlock operation is possible with a composite video signal (VBS) or black burst signal. The SC phase and H phase can be adjusted with the front controls.

# •Camera control by serial data link

The camera can be enhanced to be controlled by serial

# **PRECAUTIONS**

# Safety Precautions

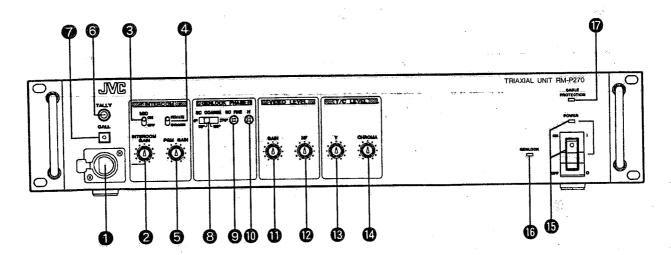
- Use only with the rated power supply.
- Do not modify the unit or operate it with its cover removed.
  - Do not allow flammable objects, water or metallic objects to get inside the unit as they could cause damage and malfunctions.
  - · When not to be used for a long period of time, disconnect the power cord from the power outlet.
  - · When there is any abnormality (noise, small, smoke, etc.), immediately switch off, disconnect the power cord from the power outlet, ad contact your nearest JVCauthorized service agent.

## Handling and storage precautions

- · To extend the unit's service life, avoid using the RM-P270 under the following conditions:
  - in extremely hot, cold or humid places,
  - in dusty places,
  - near appliances generating strong magnetic fields,
  - in places subject to vibrations, and
  - in poorly ventilated places.
- · When installing or moving the RM-P270, do not apply violent vibrations and shocks to the unit,
- · When the power supply or voltage is too high or too low, the unit's service life may be shortened and it may not achieve its optimum performance.
- · When any adjustment of the camera connected drifts to a great extent, the camera's operations may not be performed correctly. Adjust the camera first.
- · Use a camera cable specified in this brochure, otherwise there may be incorrect camera cable compensation.

# NAMES AND FUNCTIONS OF MAIN PARTS

Base station (front panel)



- 1 Intercom jack
  Plug intercom headset into this.
- **Q** [INTERCOM GAIN] Intercom level control Adjusts the gain of the intercom's earphone.
- (MIC) MIC ON/OFF switch
  Use this to switch the headset microphone on and off.
- Intercom mode selector switch

PRIVATE: Communication is possible only with the operator of the camera controlled by this.

COMMON: Communication is possible with the whole

intercom system.

**⑤** [PGM GAIN] Program audio level control

It is possible to mix PGM AUDIO signal that is input to the PGM AUDIO input connector on the rear panel with the INTERCOM line. This PGM GAIN control is used for volume control of PROGRAM AUDIO signal in this instance.

@ [TALLY] TALLY lamp

Lights when a tally signal is present at the TALLY terminals on the rear panel of this unit. Blinks when the call signal is accepted from the camera.

[CALL] CALL button

Use this to call the camera operator without using the intercom.

When pressed once, the lamp in the button lights and the camera's tally lamp blinks. This lets the camera operator know he or she is being called. When the button is pressed again, the lamp in the button and the tally lamp go out.

Note: If the RM-LP35 is connected to the base station, the CALL button on the base station does not work.

[SC COARSE] SC phase coarse switch

When synchronized connection is made, the SC phase of the reference signal input to the **GENLOCK INPUT** connector on the rear panel of this unit is compared with the **SC phase** of the camera's video signal, which can be switched in four steps: 0, 90, 180, and 270 degrees.

(SC FINE) SC phase fine control

The SC phase of the camera's video signal can be adjusted in the range of  $\pm$  45° by comparing it with the SC phase of the external synchronization reference signal.

(I) [H] Horizontal phase control

The horizontal phase of the camera's video output signal can be adjusted by comparing it with the horizontal phase of the external synchronization reference signal.

(I) [GAIN] Video level control

The output level of the VIDEO OUTPUT connector on the rear panel of this unit can be adjusted.

(HF) High-frequency component control

The high-frequency output component of the VIDEO OUTPUT connector on the rear panel of this unit can be adjusted.

[Y] Y level control

The Y output level of the Y/C OUTPUT connector on the rear panel of this unit can be adjusted.

(1) [CHROMA] Color level control

The color (chroma) output level of the Y/C OUTPUT connector on the rear panel of this unit can be adjusted.

(B [POWER] POWER lamp and switch

This switch is used to turn the power on and off. The lamp lights when the power is on.

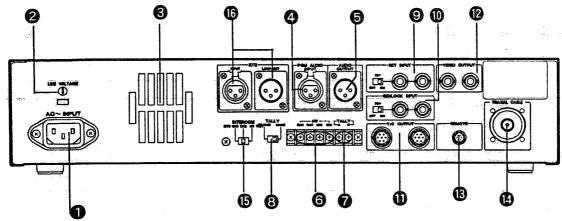
(B [GENLOCK] Genlock operation lamp

Lights when a synchronizing signal is input to the **GENLOCK** connector the rear panel of this unit.

**(CABLE PROTECTION)** Cable protection lamp

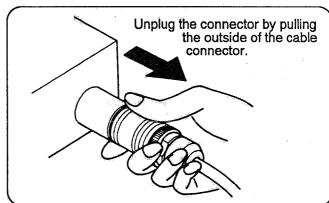
Blinks when no cable is connected between the unit and the camera.

# Base station (rear panel)



- 1 [AC ~INPUT] AC INPUT connector Supply power at the rated voltage using the AC power cord provided.
- ② [LINE VOLTAGE] LINE VOLTAGE selector

  Be sure to set the switch to correspond to your local voltage; if it is set incorrectly, normal operation will not be possible and internal components may sometimes be damaged.
- Fan ventilation hole Ventilation hole containing cooling fan. There must be sufficient space behind this hole.
- (PGM AUDIO INPUT) Program audio input connector This input connector is used to mix the program audio signal into the intercom line.
- (5) [AUDIO OUTPUT] Microphone output connector This outputs the audio signal of the microphone connected to the camera.
- **6 [4W] Intercom connector**The intercom is connected to this connector.
  Refer to "Intercom functions" on page 6.
- [TALLY] TALLY terminals
  Apply a tally signal from a special effects generator
  (SEG) or a switcher.
  Refer to "Tally input" on page 6.
- (3) [TALLY] TALLY select switch Select a signal supplied to the tally circuit. Refer to "Tally input" on page 6.
- (9) [RET INPUT] Return video signal input connector The return video signal from a special effects generator or switcher can be input via these connectors to be supplied to the viewfinder. When a bridging connection is not required, set the 75  $\Omega$  termination switch to ON.



- [GENLOCK INPUT] External synchronizing signal input connectors A composite video signal (VBS) or black burst (BB)signal can be input through these connectors as the reference signal for genlocking. When a bridging connection is not required, set the 75 Ω termination switch to ON.
- (I) [Y/C OUTPUT] Y/C signal output connector Outputs the Y/C signal for two S-VHS channels.
- [VIDEO OUTPUT] Video signal output connector Outputs the VBS signal for two output connector channels.
- (3 [REMOTE] Remote connector

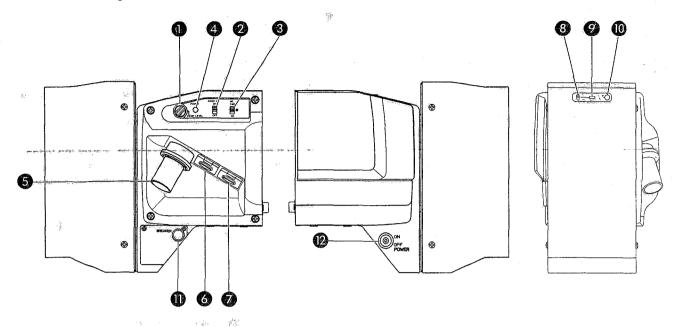
  This connector is used for an optional remote control unit RM-LP37 or RM-LP35.
- [TRIAXIAL CABLE] TRIAXIAL connector

  Connect this unit to the camera using this triaxial connector.

<U-Ver. only>

- [INTERCOM] Intercom select switch Select an intercom system.
- (B) [RTS] RTS input connector
  Use this when connecting the unit to an RTS intercom system. Bridge connection is possible.

# Triaxial Adapter



# [INCOM LEVEL] Intercom (talkback) level control

Turn this control clockwise to increase the volume and turn this control counter clockwise to decrease the volume.

# ② [INCOM MIC] Intercom (talkback) microphone switch

Turns the microphone line of the headset on and off.

## @ [MIC] Microphone switch

Selects either the camera or adapter for the microphone line.

# ♠ [POWER] Power lamp

Lights when power is supplied to the camera and the OP-ERATE switch on the camera is on.

# 6 [TRIAX] Triaxial cable connector

Connect the triaxial cable to this to connect the base sta-

# 6 [INTERCOM] Intercom (talkback) connector

Connect the intercom (talkback) headset to this. The microphone line of the intercom headset can be switched on and off with the camera head INCOM MIC switch.

# [MIC INPUT] Microphone input connector Connector for microphone input.

# [TALLY] Tally switch

Used to switch the back tally lamp on and off.

# [TALLY] Back tally lamp

Lights when the tally signal is supplied to the TALLY connector on the rear of the base station. Blinks when the CALL button on the base station is pressed. The back tally lamp is interlocked with the tally of the camera viewfinder.

## @ [CALL] Call button

Pressing this button makes the TALLY lamp on the base station blink.

#### **⋒** [BREAKER] Breaker

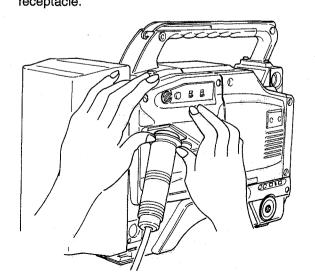
If an overcurrent flows through the main unit, this circuit breaker trips to protect the internal circuits. When this button is pressed, the unit is reset and the power can be turned on again.

Note: Reset only after eliminating the cause of the breaker tripping. If the breaker trips frequently, contact your rearest JVC service station.

## @[POWER] Power switch

When the power switch is on, power is supplied to the camera head. When this switch is off, the power is cut.

To unplug the connector, pull the cable connector downwards, while pushing the flange of the receptacle.



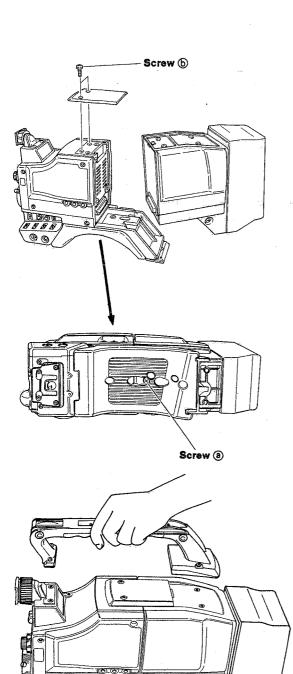
# PREPARATION FOR USE

#### Mounting the adaptor

- Mount the adapter on the back of the camera fitting the 50-pin connector into the socket as shown in the figure below.
- Secure the adapter with the screw (a), turning it clockwise with a Phillips screwdriver.
- 3) Mount the plate from above the camera, and secure it by turning the screw (b) clockwise.
- Attach the supplied handle on the camera with the four screws.

#### Note:

After the adapter is mounted, mount the lens, viewfinder, microphone, etc. on the camera as described in the camera's instructions.



# Video signal adjustment

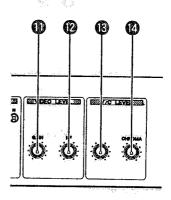
When equipment is connected, the signal level must be adjusted.

Adjust it as follows:

- 1. Set the camera to the BARS mode.
- 2. Normally, set the GAIN control 1 and HF control 2 at the center.
  - The level can be varied in the range 10% to +10% with these controls.
- 3. If a waveform monitor is available, adjust the video level to 1 Vp-p with the GAIN control ①. Adjust the burst level to 0.286 Vp-p for U-Ver. (0.3 Vp-p for E-Ver.) with the HF control ②.

#### Note

The SC phase changes if the GAIN control **10** or HF control **10** is operated during synchronous connection.



# Y/C level adjustment

- 1. Set the camera to the BARS mode.
- 2. Normally, set the Y control (8) and CHROMA control (9) at the center.
  - The level can be varied in the range -10% to +10% with these controls.
- 3. If a waveform monitor is available, adjust the video level to 1 Vp-p with the Y control ③. Adjust the burst level to 0.286 Vp-p for U-Ver. (0.3 Vp-p for E-Ver.) with the CHROMA control ④.

# Adjustment during genlock connection

This section explains an example of genlock connection for this unit using an SEG (special effects generator) as the main signal source. Connect this unit, the camera, and the SEG according to the description in the CONNECTION section. (See pages 7 and 8.)

- 1)Select BAR on the camera and output the color bar signal.
- Select the color bars signal of the SEG as the SEG's program output.

(See to the SEG's instruction manual.)

## Horizontal phase adjustment

3)While monitoring the SEG's programmed output, alternately switch the SEG's color bar signal and the RM-P270 color bar signal on the program bus. Adjust using the H control (1), so that the horizontal phases of the color bars of both the SEG and the RM-P270 do not move.

# Chroma phase adjustment

For chroma phase adjustment, using the same procedure as for horizontal phase adjustment, adjust so that the chroma phases of the color bar signals of the RM-P270 and the SEG match.

4)Use the SC COARSE switch (3) for coarse adjustment.

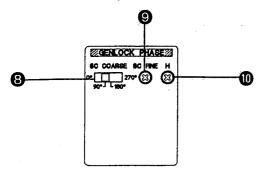
(0, 90, 180, 270 degrees)

#### SC fine adjustment

5)Rotate the SC FINE control (9) with a Phillips screwdriver for fine adjustment. It can be adjusted within ± 45 degrees.

#### Notes:

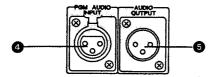
- Use a vectorscope or waveform monitor for more accurate adjustment.
- To synchronize with the playback signal from a VCR, use a TBC.
- When a monitor is used, use an under-scan monitor.
- If a signal is input to RET INPUT during genlock connection, use a synchronized RET signal.



#### Audio signals

When a microphone is connected to the KY-27/KY-19, the audio signal from the microphone is output from the AUDIO OUTPUT connector 6 on the rear panel of the RM-P270 through the triaxial cable.

The amount of program audio signal (supplied to PGM AUDIO INPUT ① on the rear panel of the RM-P270) to be mixed in to the intercom line can be adjusted with PGM GAIN ⑤ on the front panel.



#### Intercom functions

In a system that uses several cameras and remote control units, two-way communication is necessary between operators.

Configure the intercom system as follows:

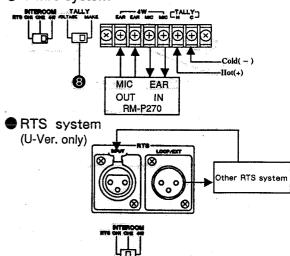
- The intercom system of the RM-P270 is a 4-wire system or RTS system (U-Ver, only).
- There are intercom jacks on the front panel of the RM-P270.
- Use a headset rated at 200 to 600 Ω /1kHz.
   Recommended headset: JVC KA-310 (optional) (microphone: 50 Ω /DC; earphone: 200 Ω /1kHz)
- There are two communication modes.

PRIVATE: Set to this mode when communicating with the camera connected to the RM-P270.

COMMON: Set to this mode when communicating with the entire intercom system.

 Use the GAIN @ control to increase and decrease the volume of the earphones in the intercom connected to the RM-P270.

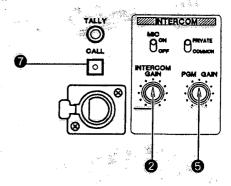
#### 4-wire system



#### Cameraman call function

This function is used to call the camera operator without using intercom. When the call button is pressed, the lamp in the call button lights and the tally lamp on the camera blinks.

When the button is pressed again, the lamp on the camera goes off.

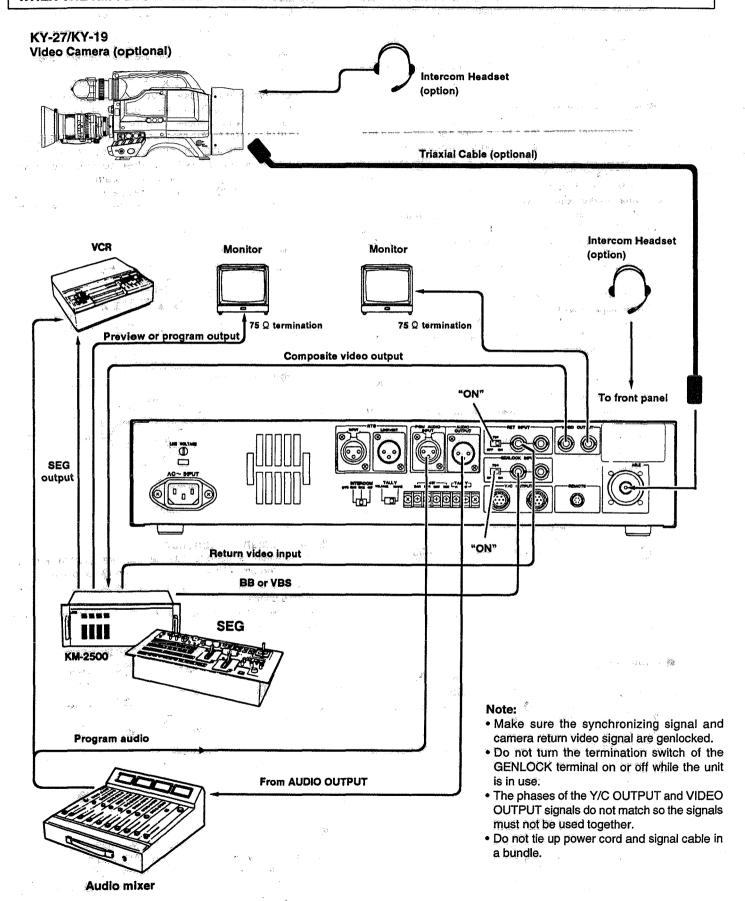


■ Tally input

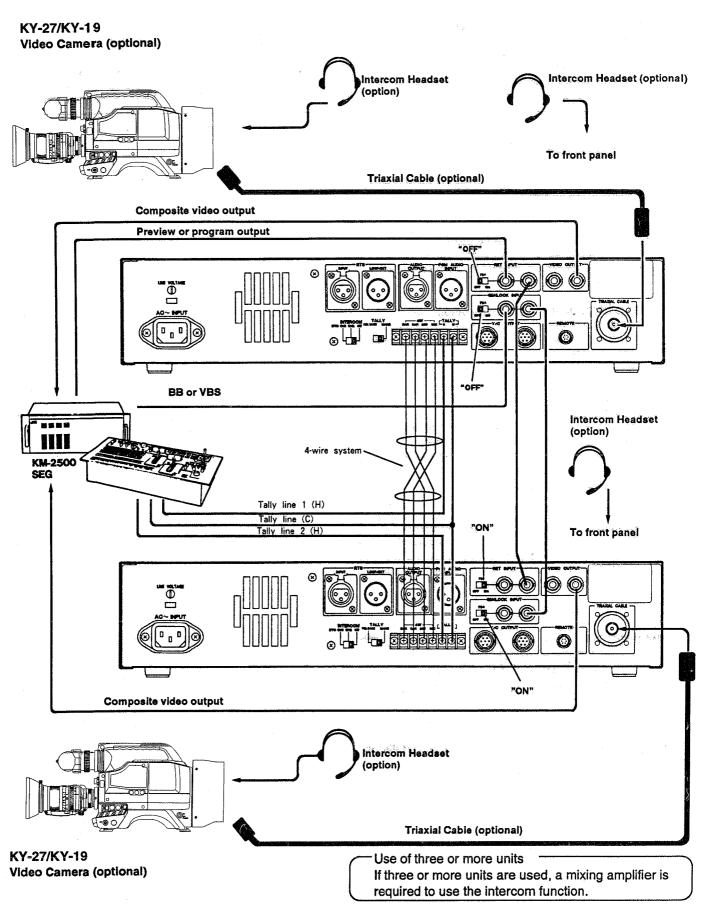
The tally circuit can use one of the two methods: voltage supply (5 to 24 VDC or 6 VAC) and contact supply. It is factory-set to the voltage supply system, but can be changed to contact supply with the switch ③ on the rear panel of the RM-P270.

# CONNECTIONS

# WHEN THE RM-P270 IS USED TO CONTROL THE KY-27/KY-19 VIDEO CAMERA



# WHEN TWO RM-P270s ARE USED TO CONTROL TWO CAMERAS WITH TALLY AND INTERCOM LINES



# TROUBLESHOOTING

### The unit doesn't work when the control buttons are pressed.

- Is the cable protection lamp on?
- Are the cables, etc., connected correctly?
- Are the power switches of the RM-P270, the camera adapter and the camera set to ON?

# The tally lamp doesn't light.

- Is power (6 VAC or 5 to 24 VDC) being supplied to the tally input connector?
- Is the tally method (voltage supply or contact supply) suited to the system?

#### ♦ The intercom function cannot be used.

- Is the impedance of the headset correct?Is the MIC switch on the camera body set to OFF?

## ♦ Noise is heard on the Microphone output connector.

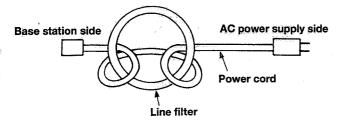
- When the power is turned on again, noise may be heard on the Microphone output connector, but this is not a malefaction.
- is the power to the camera off?

# Sync cannot be obtained.

- Is a black burst signal or composite video signal being supplied to the GENLOCK connector?
- Is the output signal from a VTR being supplied directly without using a TBC?
- Is the RET signal synchronized?

# Signals are sometimes not synchronized.

- Noise may be affecting the power supply. Pass the supplied power cord (provided) through the line filter (SS47003) near the power input connector of the cord by winding it two turns around the filter.



# ◆ The video signal output terminal is affected by the RET signal.

- Is the camera supply of off?

# TRIAXIAL CABLE

There are two types of triaxial cable. Select one of them as required. Examples of cables made by Fujikura Densen 4.8/1.0 EFTXF: 8.6 mm in diameter 9.6/2.22 EFTXF: 14.5 mm in diameter

# **SPECIFICATIONS**

Specifications and design are subject to change without notice.

**Output signals** 

Composite video signal

Y/C signal

: 1Vp-p , 75 Ω x2

: Y; 1Vp-p(including SYNC)75 Ω

C; U-ver. ---- 0.286Vp-p(burst level)75  $\Omega$  x2: E-ver. ---- 0.3Vp-p(burst level)75  $\Omega$  x2

Intercom

: 4-wire system; 0 dB, 600 Ω balanced

RTS system (U-ver. only) ;-10dB,200 Ω unbalanced

Audio signal

: -20 dBm, 600 Ω

Input signals

External sync signal

: Composite video signal 1 Vp-p, 75  $\Omega$  (bridge connectable) or black burst 0.43 Vp-p for U-ver.(0.45 Vp-p for E-ver. )

RET signal Intercom

: Composite video signal or VS 1 Vp-p, 75  $\Omega$  x 2 (bridge connectable)

: 4-wires system; 0 dB, 600  $\Omega$ RTS system (U-ver. only) ;-10dB,200  $\Omega$  unbalanced

Program audio

: -4dB, 600  $\Omega$  , unbalanced

Tally

: Contact supply or power supply (5-24 VDC or 6 VAC)

MIC input

: -60 dBm, 600 Ω balanced

**Others** 

Input voltage

Power consumption

: 68 W (including camera with VF-P550B)

Weight

: Base station; 10.2 kg; Camera adaptor: 2.5 kg (with handle and top cover)

Ambient temperature

: 0°C to +40°C

### **Accessories**

Power cord (U-ver:QMP9003-022, E-ver:QMP4908-250) x 1

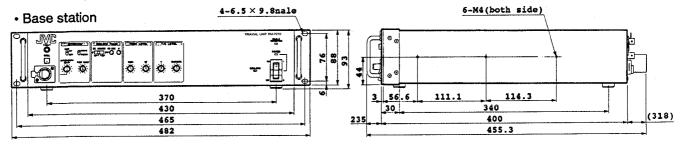
Extension PC board (SCK1089-03-00A) x 1

Line Filter(SS47003) x 1 RF Cable(SCV2211-001) x 1 Instruction manual x 1 Handle × 1

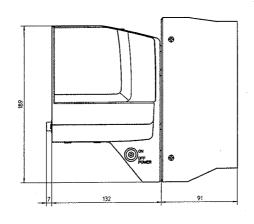
Top Cover × 1

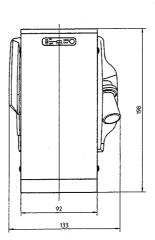
Screw (SDSP4008M) × 2

# Dimensions (unit: mm)



Adapter





VICTOR COMPANY OF JAPAN, LIMITED

# RM-P270

# BASE STATION SECTION



Since the base station of the RM-P270 is the same as that of the RM-P350 except some of mechanism parts, no mention of the base station appears in this service manual except some of mechanism parts different from those of the RM-P350.

Such being the case, please read this service manual together with the service manual No.

60079 for the RM-P350.

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# SERVICE CAUTIONS AND DISASSEMBLY

• Refer to the service manual No. 60079 for the RM-P350.

# SECTION 2 ELECTRICAL ADJUSTMENTS

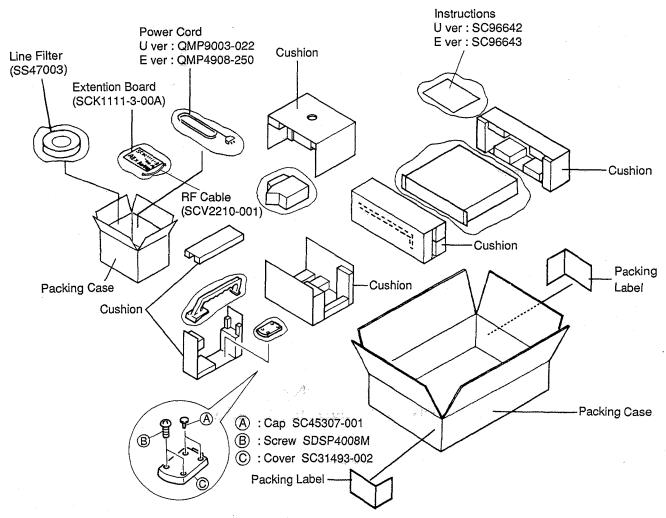
Electrical adjustment procedure of the RM-P270 is mostly the same as that of the RM-P350.

Namely, the adjustment procedure of the RM-P270's base station section is entirely the same as that of the RM-P350.

In regard of the camera adapter section, there is only the item different between the two models. That is, "Subsection 2.7 RET VIDEO RECEPTION, Item No. 2, RF level det." (Service Manual No. 60079 for RM-P350), which is needed for the RM-P350 only.

For electrical adjustment of the RM-P270, it is required to prepare the KY-27 or the KY-19 video camera.

# SECTION 3 REPACKING

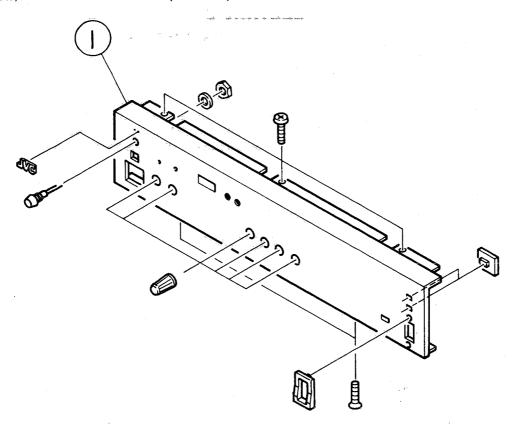


Note: Accessories above are subject to change without notice.

# SECTION 4 EXPLODED VIEWS AND PARTS LIST

# 4.1 BASE STATION ASSEMBLY

• This section mentions only the parts different from those used in the RM-P350. For other parts, refer to the service manual (No. 60079) for the RM-P350.



# • BASE STATION Assembly list M1

			MIMM
Symbol No.	Part No.	Part Name	Description
1	SC10129-061	FRONT PANEL	

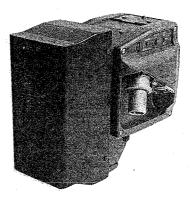
# SECTION 5 CHARTS AND DIAGRAMS

• Refer to the service manual No. 60079 for the RM-P350.

# RM-P270

# CAMERA ADAPTER SECTION





# **SECTION 1** SERVICE CAUTIONS AND DISASSEMBLY

#### RESET OF POWER BREAKER 1.1

This model protects circuits from overcurrent not with power fuse but with the power breaker. When the breaker was once activated, reset it to reconnect the power line.

Note: Before resetting the power breaker, make sure to investigate the reason why it was activated and to remove the cause first in order to prevent the trouble from spreading.

- 1. Turn off all the power switches of the camera and the base station.
- 2. The power breaker ① is provided on the right side of the set. Pressing the breaker button reconnects the power line.

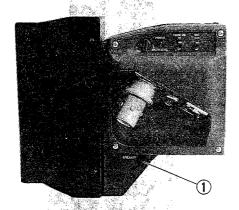


Fig. 1-1

# 1.2 SEPARATION FROM CAMERA

For separation of this set from the camera, refer to the section "Installation of the adapter" in the instructions of the RM-P270.

#### 1.3 REMOVAL OF THE REAR BOX COVER

1. Remove four screws 2 and the cover can be removed.

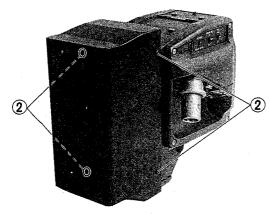


Fig. 1-2

# **REMOVAL OF PLUG-IN BOARDS** (RGD/CMM/AUS/INP BOARD)

- 1. For disconnecting plug-in boards except the RGD board, hold the upper and lower sides of a board while pull it toward you.
- 2. For disconnecting the RGD board, disconnect all the other boards first, then disconnect it.
- · When reconnecting the boards, be careful not to apply excessive force to the connector sections.
- · Since the connectors of the coaxial cable connected with the board are colored discriminatively from each other, refer to the following colorings for reconnection.

RGD: Brown

AUS: Orange

CMM: Red INP: Yellow

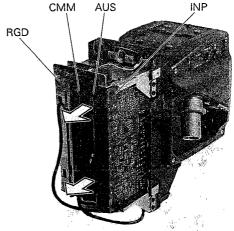


Fig. 1-3

#### REMOVAL OF SIDE COVER

1. Remove four screws 3 and the left side cover assembly can be removed.

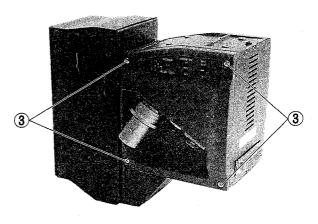


Fig. 1-4

## 1.6 REMOVAL OF PSA BOARD

1. Remove two screws (4) and one screw (5), then shield cover can be removed.

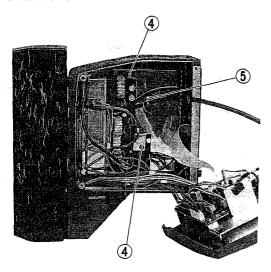


Fig. 1-5

2. Remove two stud 6 and the PSA board can be removed.

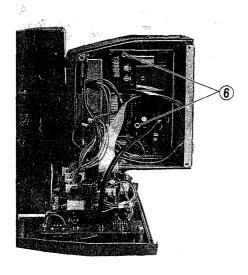


Fig. 1-6

## 1.7 REMOVAL OF ASP BOARD

- 1. Remove all plug-in boards to the previous subsection 1.4.
- 2. Remove four screws ⑦ and the rear bracket with MT board.

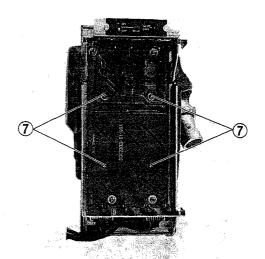


Fig. 1-7

3. Remove two screws ®

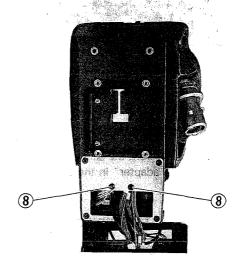


Fig. 1-8

- 4. Remove PSA board to the previous subsection 1.6.
- 5. Remove two screws (9) and the panel.

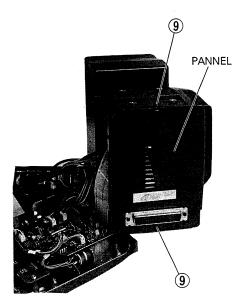


Fig. 1-9

6. Remove two screws (10), then APS board can be remove.

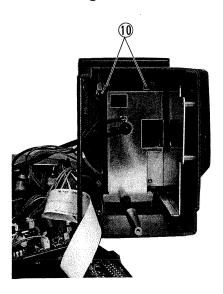


Fig. 1-10

# 1.8 REMOVAL OF ADB BOARD

- 1. Remove the left side cover assembly to the previous subsection 1.5.
- 2. Remove one screw 1 and two screws 2 , then ADB board can be remove with the bracket.

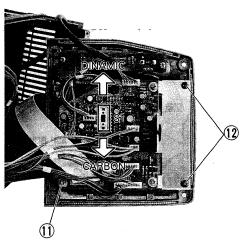


Fig. 1-11

# 1.9 FUNCTION OF INTERNAL SWITCH

# ON ADB board

There is an intercom microphone selector switch on the ADB board. Set it to the carbon or dynamic mic position according to the type of a microphone to be used. Location of the switch is shown in Fig. 1-11.

# U version:

This switch is initially set to the dynamic side at ship ment.

This switch is initially set to the carbon side at shipment.

# **SECTION 2 ELECTRICAL ADJUSTMENT**

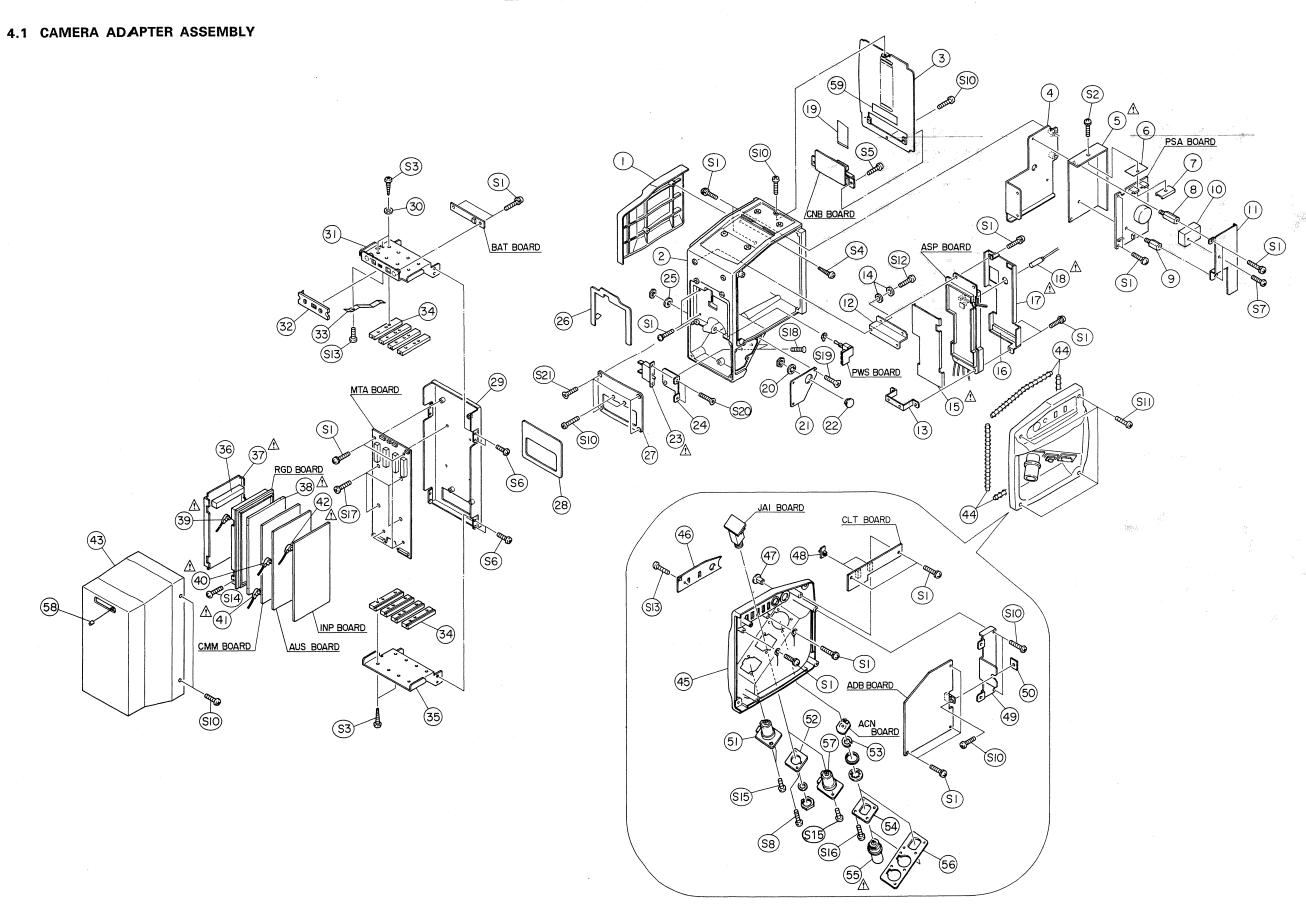
• Refer to the Section 2 "ELECTRICAL ADJUSTMENT" of the Base Station.

# **SECTION 3** REPACKING

• Refer to the Section 3 "REPACKING" of the Base Station.

1-3

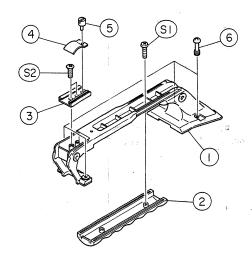
SECTION 4
EXPLODED VIEW AND PARTS LIST



# ADAPTER Assembly list M2

				M2MM
	nbol o.	Part No.	Part Name	Description
. 🛆	1 2 3 4 5	SC 20471-001 SC 10144-004 SC 31494-003 SC 31774-001 SC 31389-001	PAD AD FRAME FRONT PANEL PS BRACKET PU PLATE	
	6 7 8 9 10	SC44705-001 SC44689-001 SS44144-028 SS44144-022 SC45546-001	HOLDER BRACKET STUD(SN-19) STUD SHIELD CASE	
$\triangle$	11 12 13 14 15	SC45547-011 SC45503-001 SC45504-001 WNS4000N SC31511-001	SHIELD COVER SP BRACKET(1) SP BRACKET(2) WASHER SHIELD COVER	
<u>^</u>	16 17 18 19 21	SC42610-002 SC31513-001 SCV2211-002 SCV2098-2018K SC45510-011	CUSHION SHIELD COVER CABLE FFC CABLE CN PLATE	
Δ	22 23 24 25 26	SC44693-001 SCV1895-315 SC45507-001 QO3091-202 SC45138-001	RUBBER CAP BREAKER BR BRACKET WASHER CUSHION	
	27 28 29 30 31	SC45509-001 SC45454-001 SC20530-001 SS49917-002 SC31750-001	REAR PLATE CUSHION REAR BASE SPACER TOP BRACKET	jee f 3 :
	32 33 34 35 36	SC45453-001 SC45150-001 SC44507-001 SC31751-001 SC42610-002	REAR PANEL PLATE PS RAIL BOTTOM BRACKET CUSHION	
<u>^</u>	37 38 39 40 41	SC31505-001 SC31508-001 SCV2210-103 SCV2210-301 SCV2210-203	SHIELD COVER SHIELD COVER RF CABLE CABLE RF CABLE	RGD (BRN) AUS (ORG) CMM (RED)
$\triangle$	42 43 44 45 46	SCV2210-401 SC20531-001 SC44847-090 SC10145-006 SC45508-002	CABLE REAR COVER SHIELD TUBE L.SIDE COVER NAME PLATE	INP (YEL)
	47 48 49 50 51	SC45134-001 SC45116-001 SC45505-001 SC44899-001 SCV0316-03S	KNOB KNOB ADB BRACKET NUT CONNECTOR	
$\triangle$	52 53 54 55 56	Not used SC45304-001 Not used SCV1160-001 SC45583-001	SPACER TR CONNECTOR CN PLATE	

Symbol No.	Part No.	Part Name		Description A	
57	SCV2393-001	CONNECTOR		Tarker of the second	
58	SCV2402-001	BUTTON	4		
<b>∆</b> 59		SERIAL NO. PLATE			
S1	LPSP3006Z	SCREW		M3×6	
S2	LPSP3012Z	SCREW		M3×12	
S3	SDSA2606Z	SCREW		M2.6×6	The second
S4	SDSF3008M	SCREW	1	M3×8	
S5	SDSP2008M	SCREW		M2×8	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
S6	SDSP2604M	SCREW	-	M2.6×4	
<b>S</b> 7	SDSP2604R	SCREW	4	M2.6×4	
S8	Not used		\$		
S10	SDSP3006M	SCREW		M3×6	
S11	SDSP3006N	SCREW		M3×6	
S12	SDSP4006M	SCREW		M4×6	
S13	SPSK2030M	SCREW		M2 × 3	
S14	SPSK2640N	SCREW	;	M2.6×4	
S15	SPSP2610N	SCREW		M2.6×10	
S16	SPSP3006M	SCREW		M3×6	
S17	SPSP3006N	SCREW		M3×6	
S18	SSSP2604M	SCREW		M2.6×4	
S19	SSSP2606M	SCREW		M2.6×6	
S20	SSSP3004N	SCREW		M3×4	
S21	SSSP3006M	SCREW		M3×6	



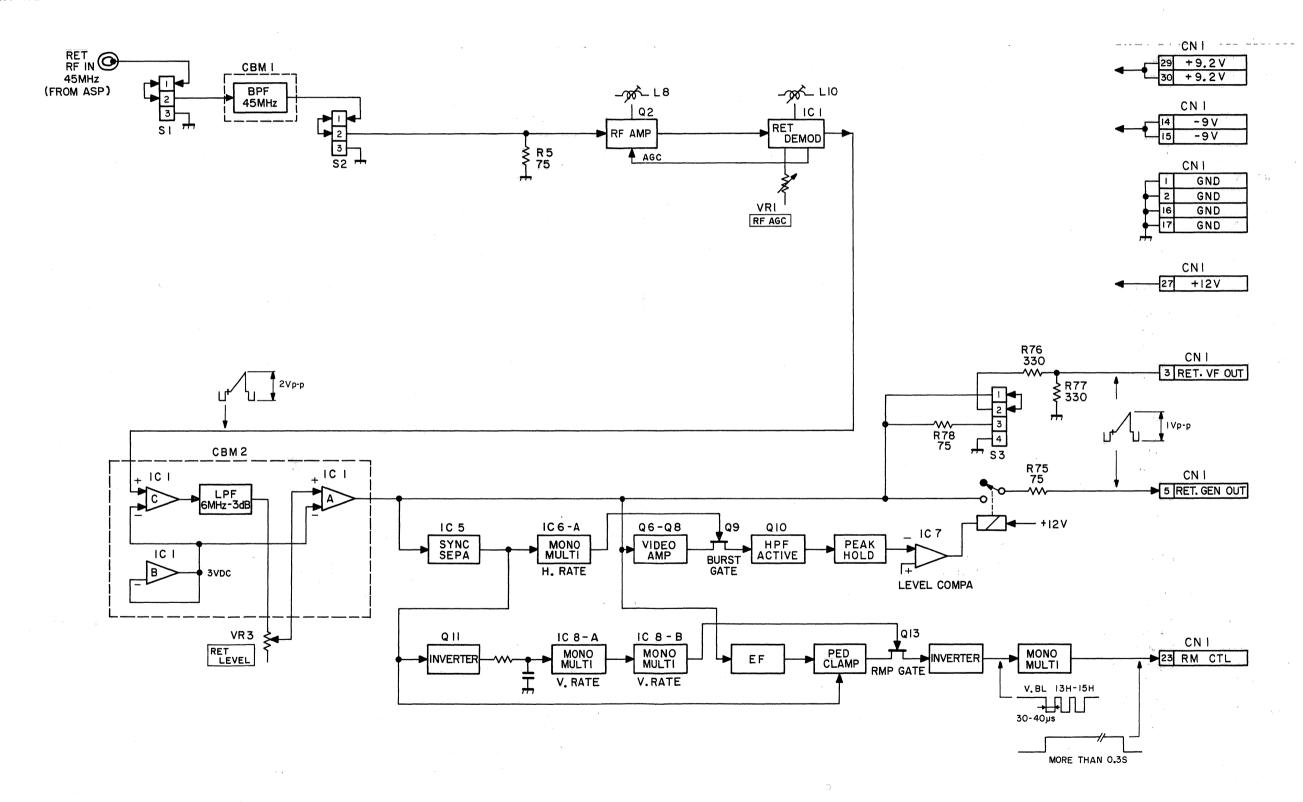
# ● HANDLE Assembly list M 3

Symbol No.	Part No.	Part Name	Description	
1	SC10157-001	HANDLE		
2	SC31516-001	COVER		
3	SC40886-001	GUIDE		
4	C40936	SPRING		
5	SC44821-001	SCREW		•
6	SC43390-001	SCREW		
S1	SDSF2606M	SCREW	M2.6×6	
S2	SSSP3006N	SCREW	M3×6	

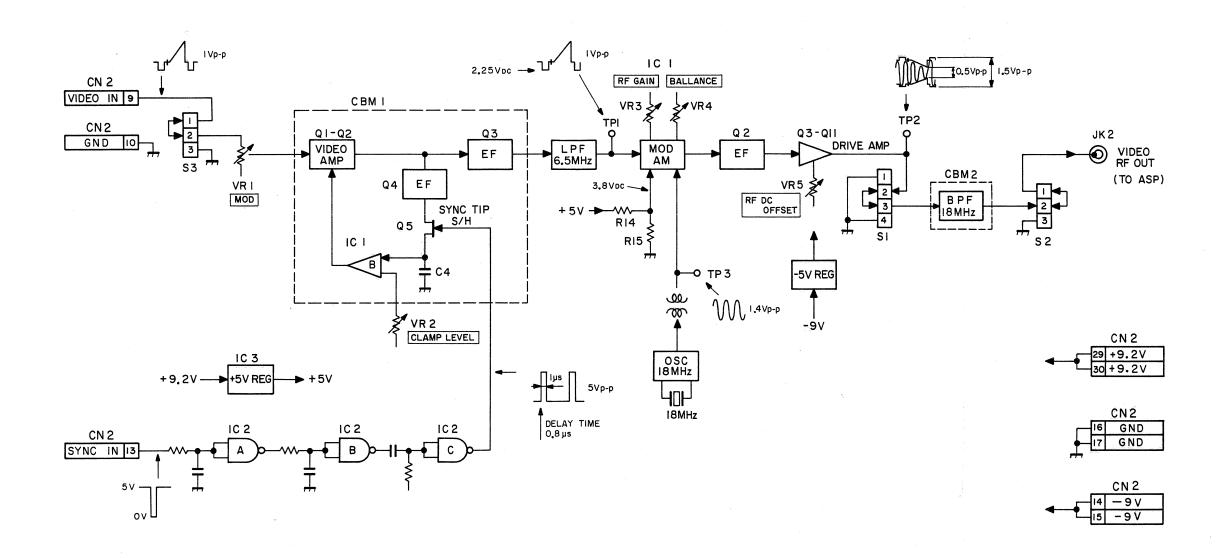
# SECTION 5 CHARTS AND DIAGRAMS

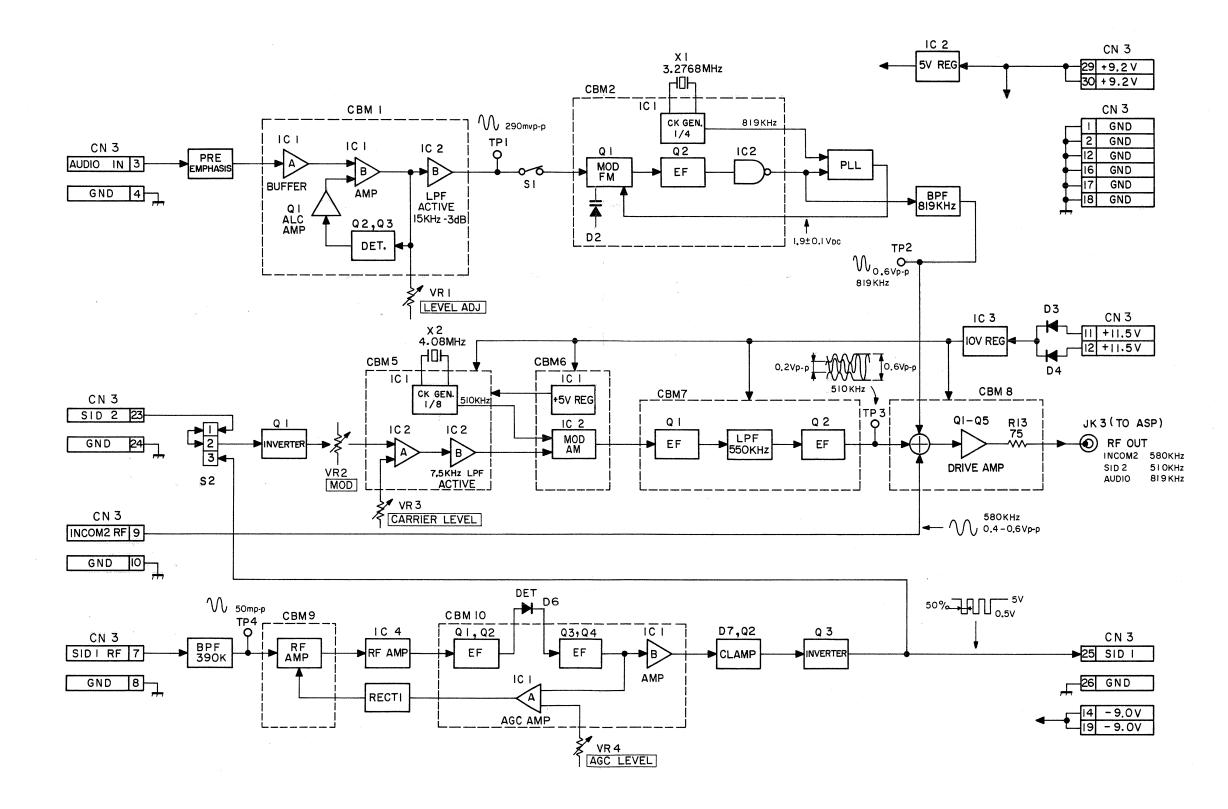
# 5.1 BLOCK DIAGRAM

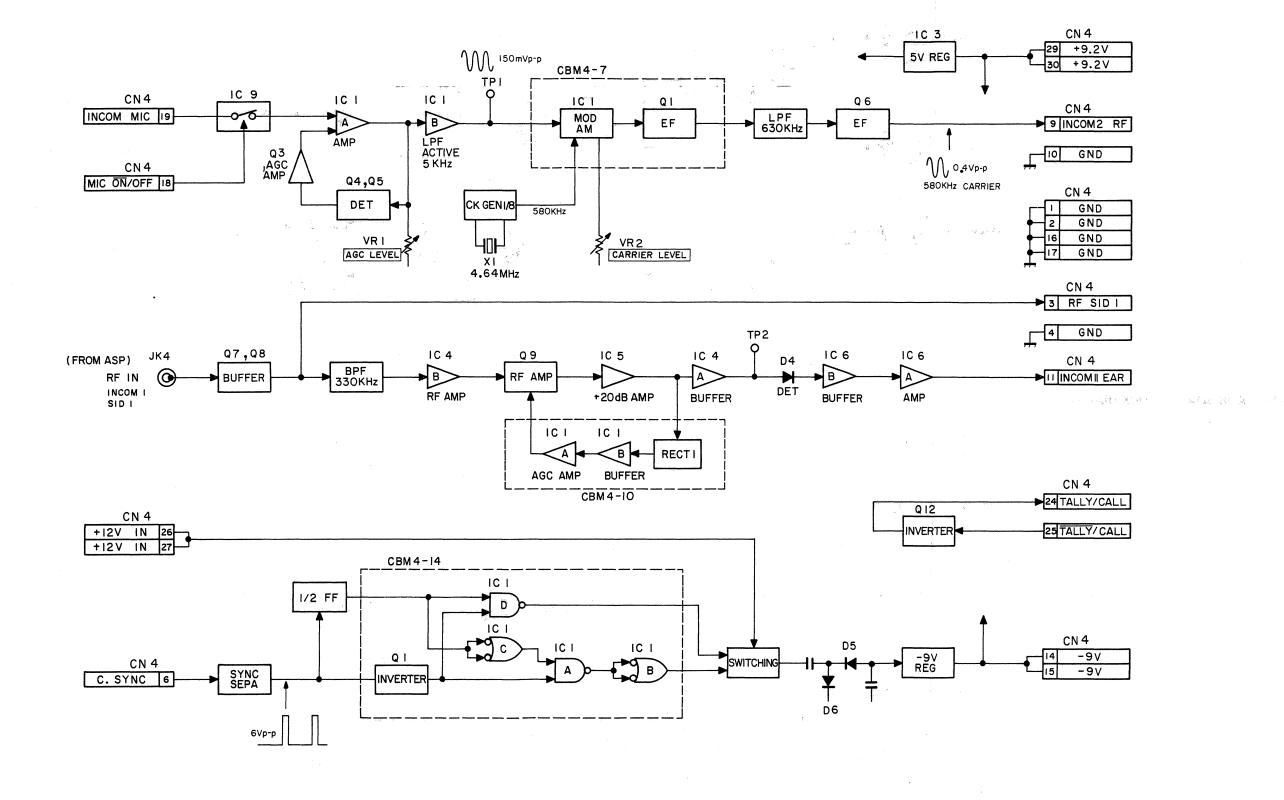
# 5.1.1 RGD BOARD BLOCK DIAGRAM



# 5.1.2 CMM BOARD BLOCK DIAGRAM

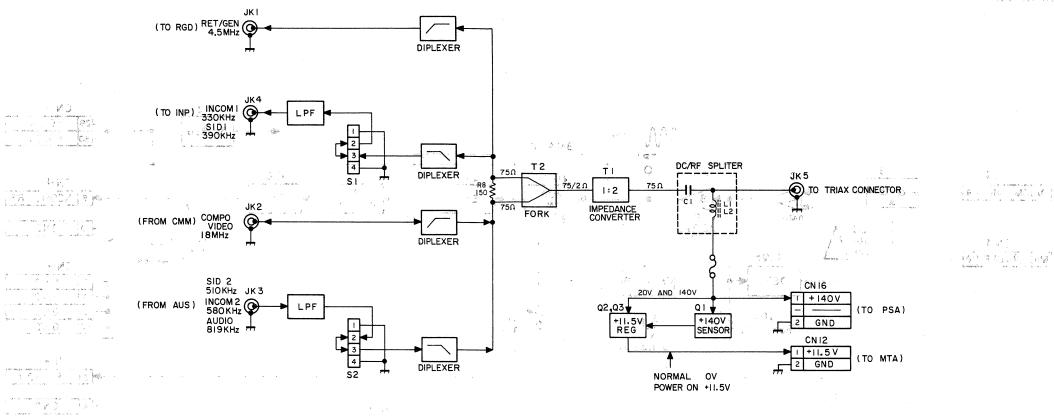




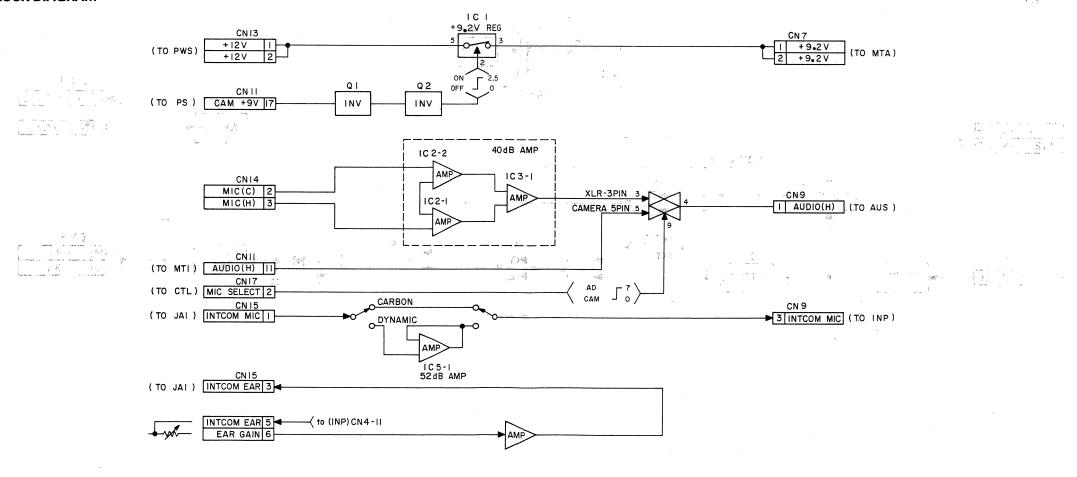


5.1.5 ASP BOARD BLOCK DIAGRAM



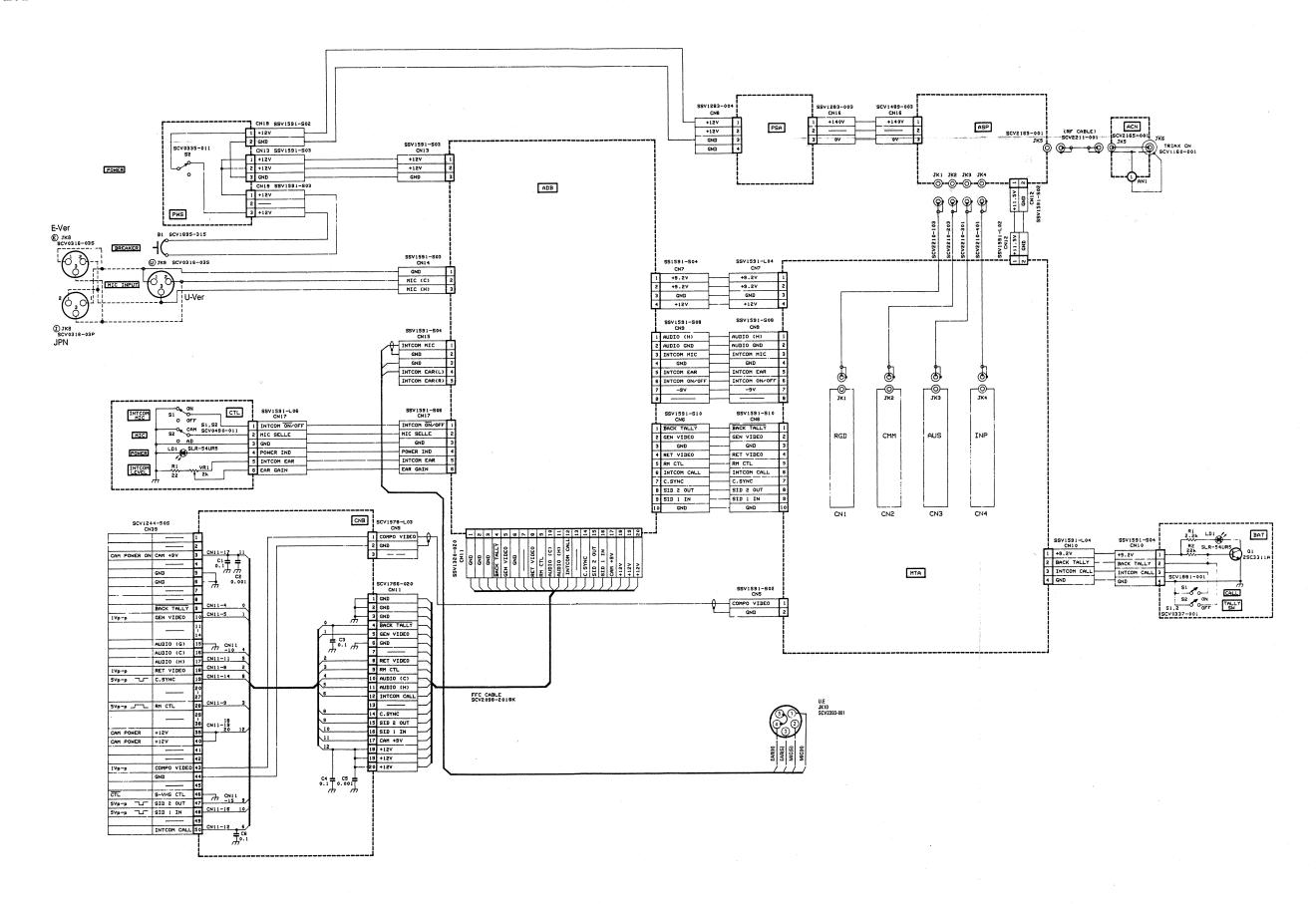


# 5.1.6 ADB BOARD BLOCK DIAGRAM



# 5.2 DIAGRAMS AND CIRCUIT BOARDS

# **5.2.1 ADAPTER OVERALL WIRING**



5-6

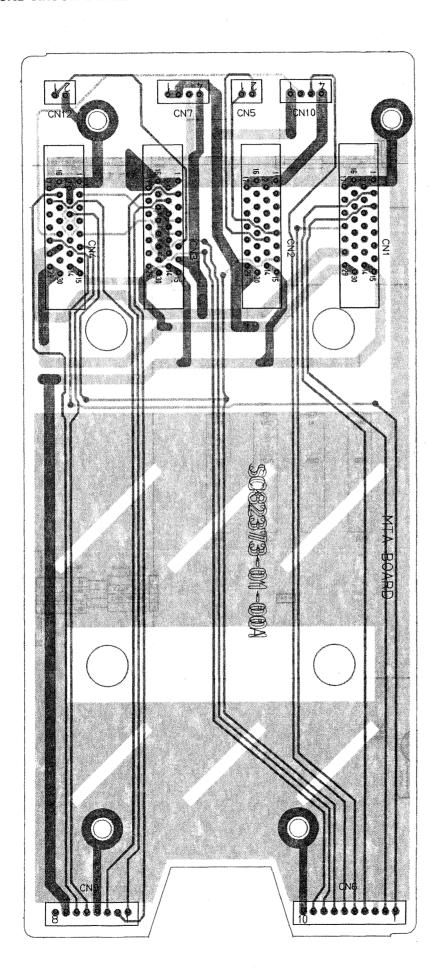
OVERALL

MTA

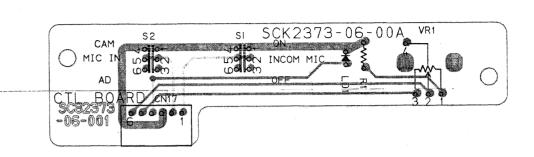
MTA

# 5.2.2 MTA/CTL/BAT/CNB CIRCUIT BOARD

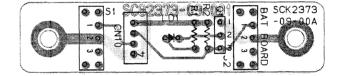
MTA



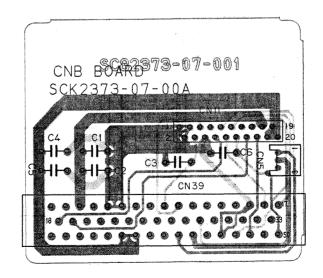
• CTL

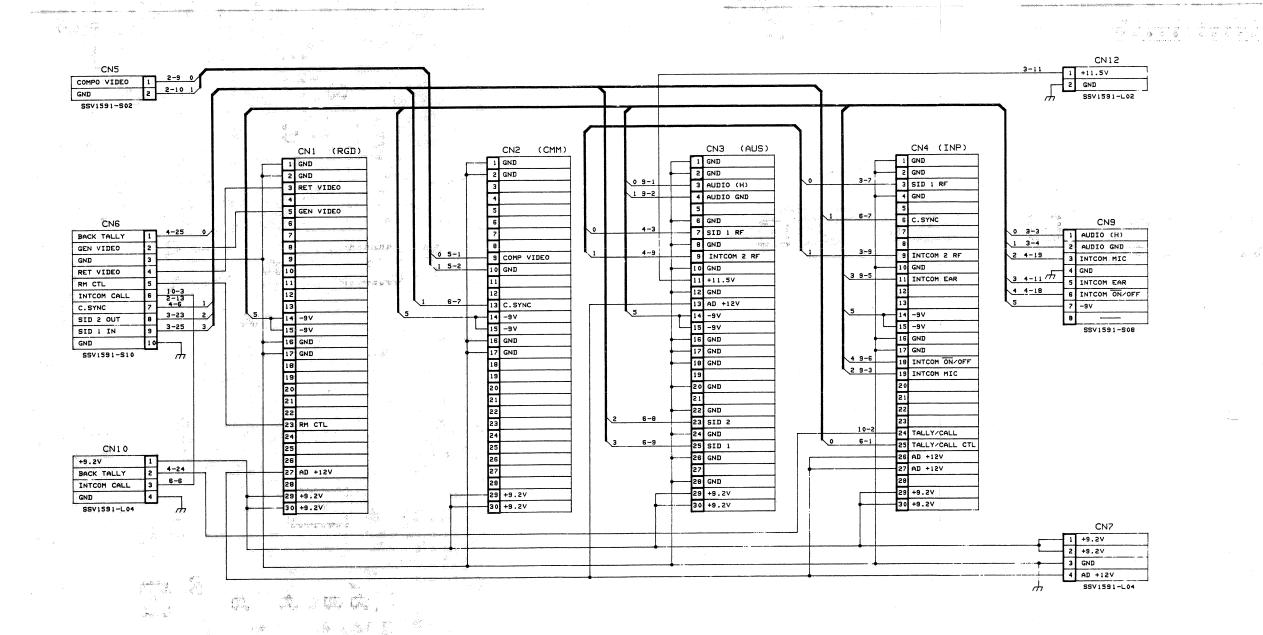


BAT



CNB





5-8

5-8

MTA

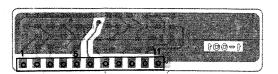
**RGD** 

RGD

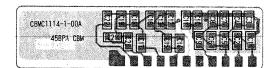
#### 5.2.4 RGD CIRCUIT BOARD

• CBM1 45BPA Board [CBMC1114-1-00A]

— Side A —

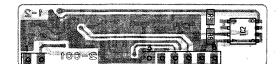


— Side B —

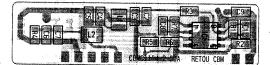


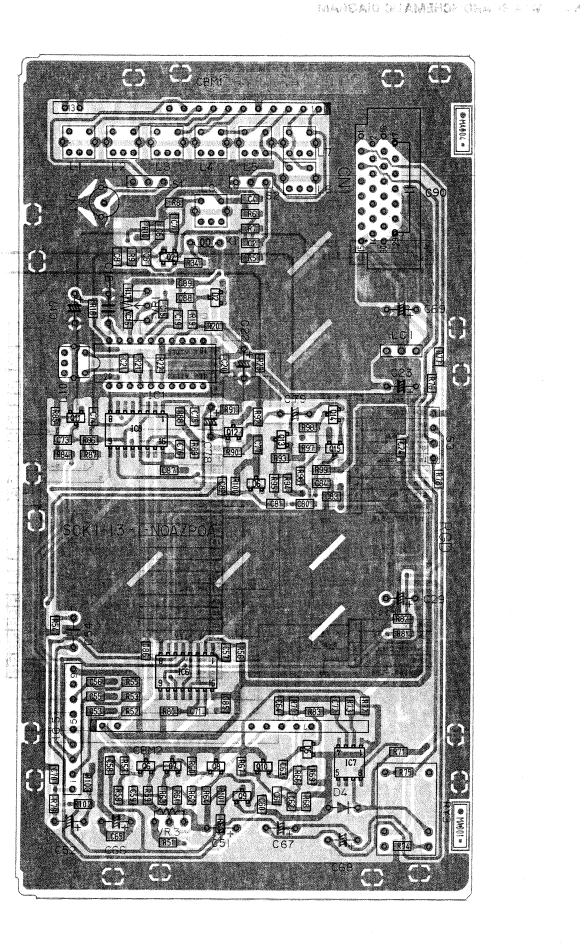
• CBM2 RETOUT Board [CBMC1114-2-00A]

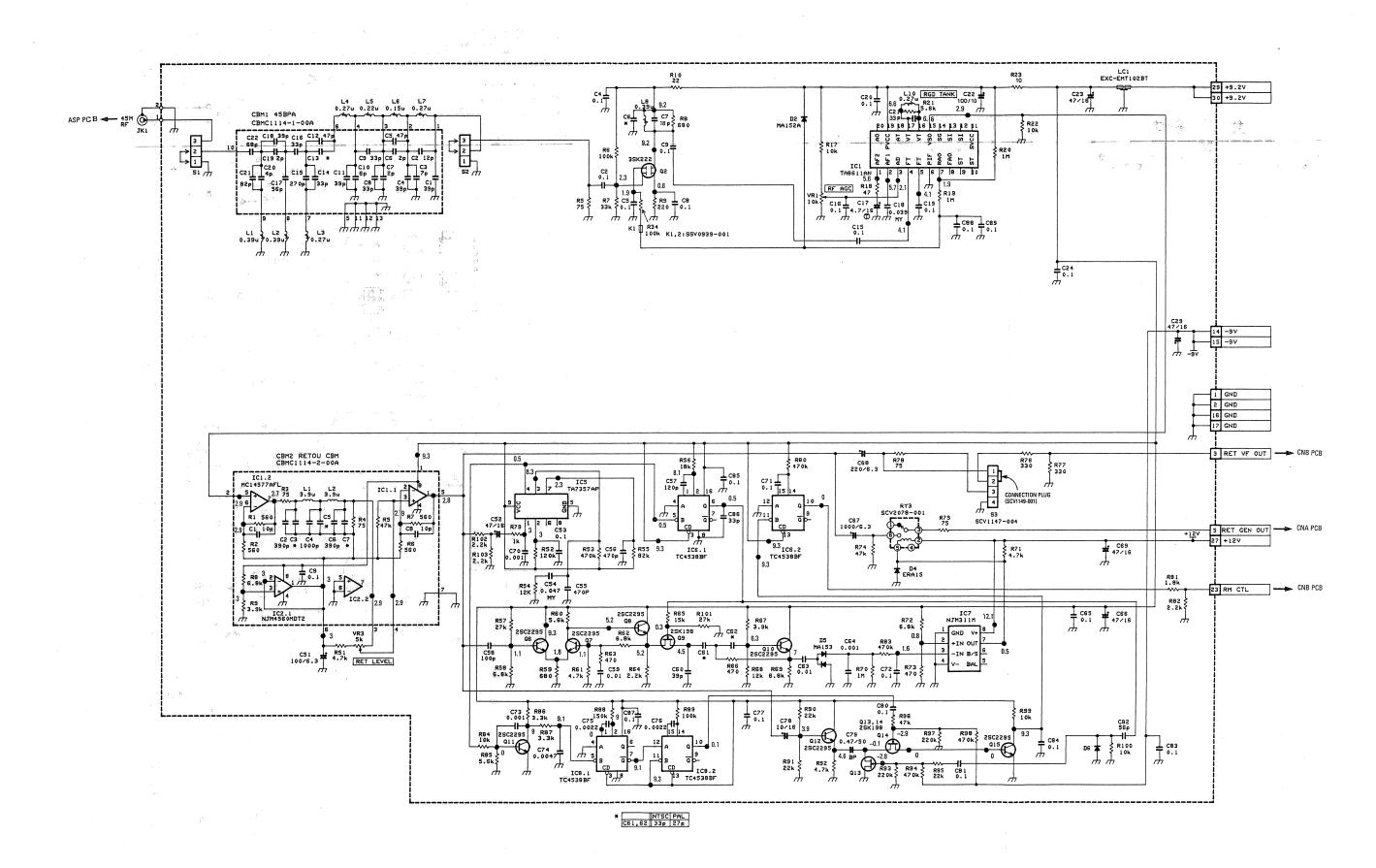
— Side A —



— Side B —







1,5-1,7

RGD

CMM

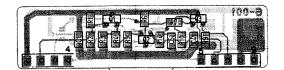
**CMM** 

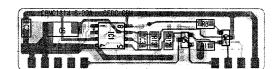
## 5.2.6 CMM CIRCUIT BOARD

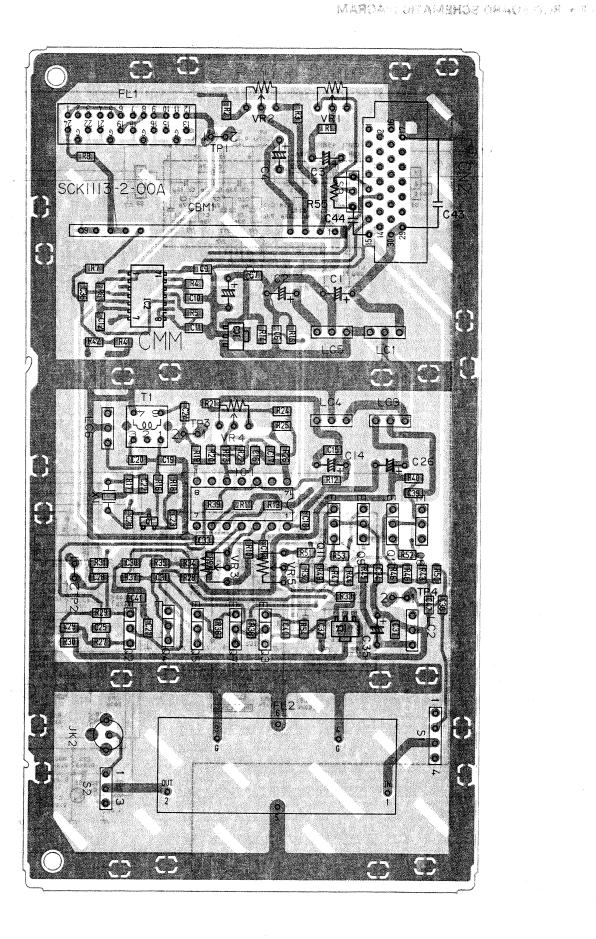
CBM1
 CFBC Board [CBMC1114-6-00A]

— Side A —

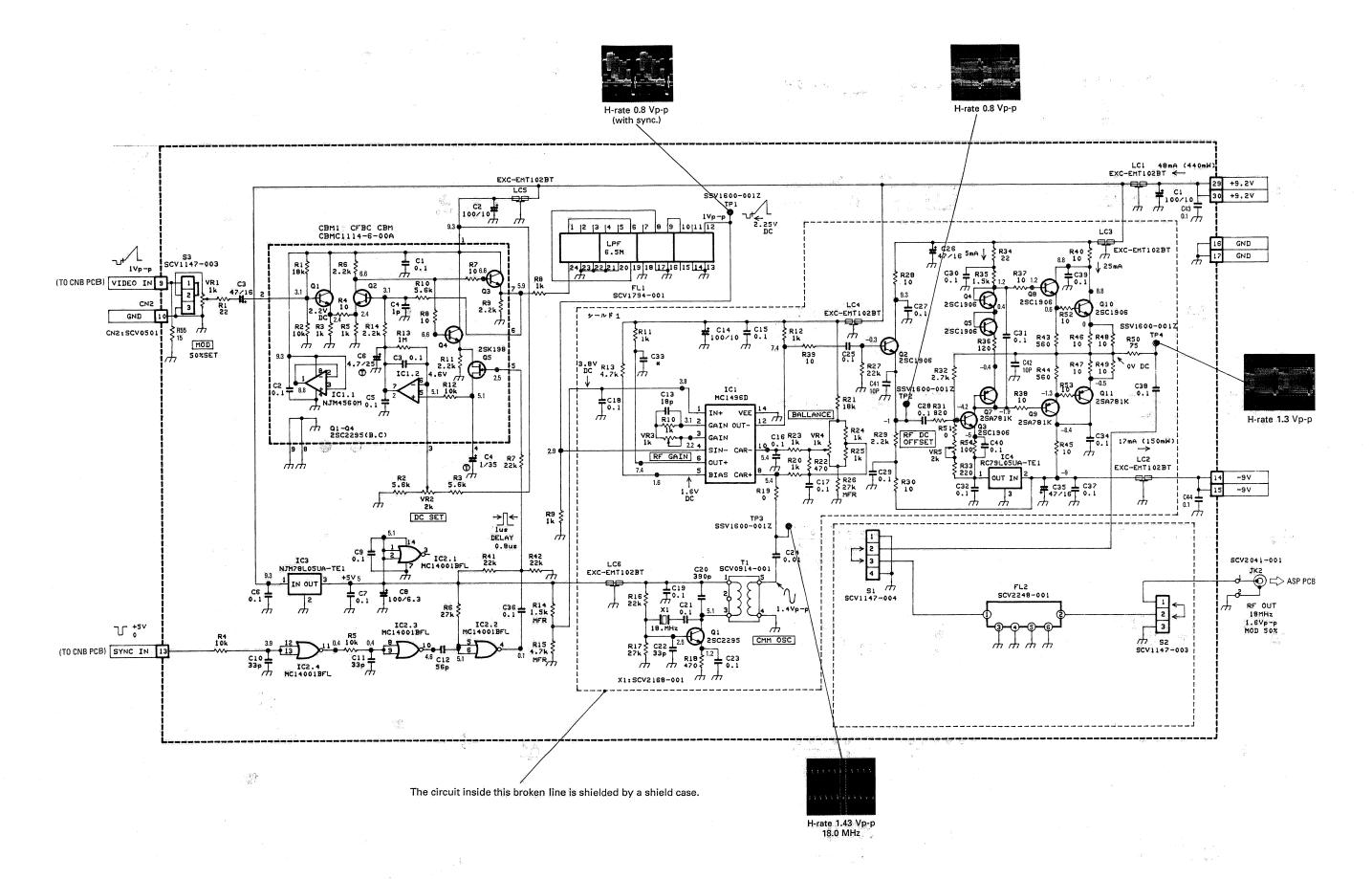
— Side B —







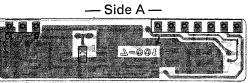
## 5.2.7 CMM BOARD SCHEMATIC DIAGRAM



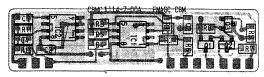
5-12

#### 5.2.8 AUS CIRCUIT BOARD

• CBM1 FMAGC Board [CBMC1114-7-00A]

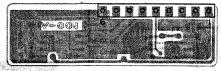


— Side B —

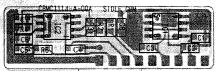


• CBM5 SIDLF Board [CBMC1114-A-00A]



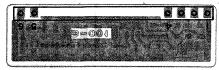


— Side B —

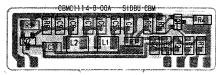


• CBM7 SIDBU Board [CBMC1114-B-00A]

— Side A —



- Side B -

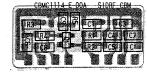


• CBM9 SIDRF Board [CBMC1114-E-00A]

- Side A -

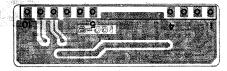


- Side B -



• CBM2 FMMOD Board [CBMC1114-9-00A]

— Side A —

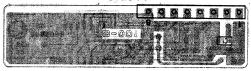


— Side B —

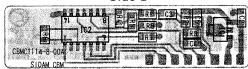


CBM6
 SIDAM Board [CBMC1114-8-00A]

- Side A -

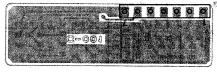


- Side B -

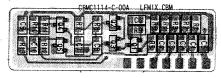


CBM8
 LFMIX Board [CBMC1114-C-00A]

— Side A —



— Side B —



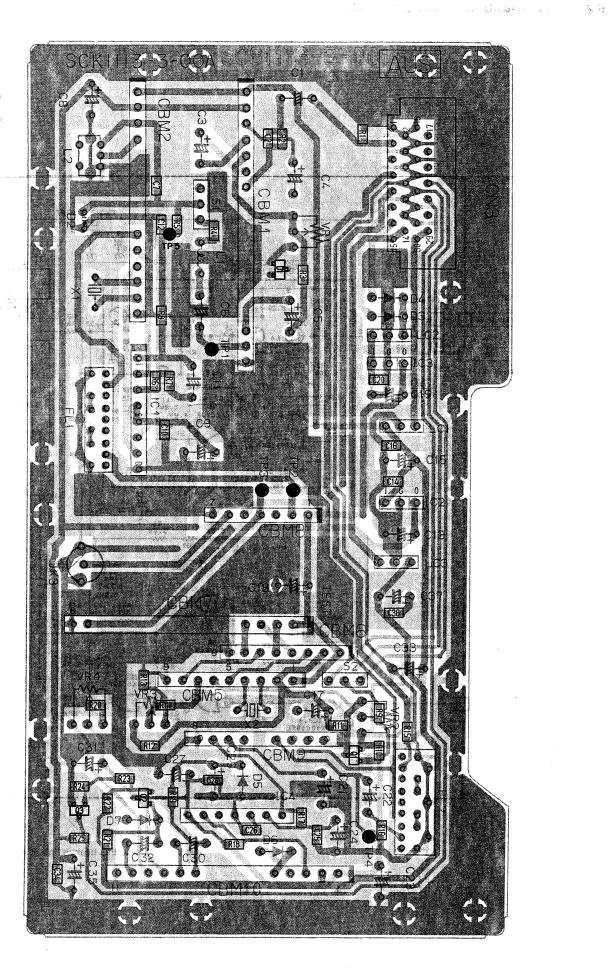
• CBM10 SIDDM Board [CBMC1114-D-00A]

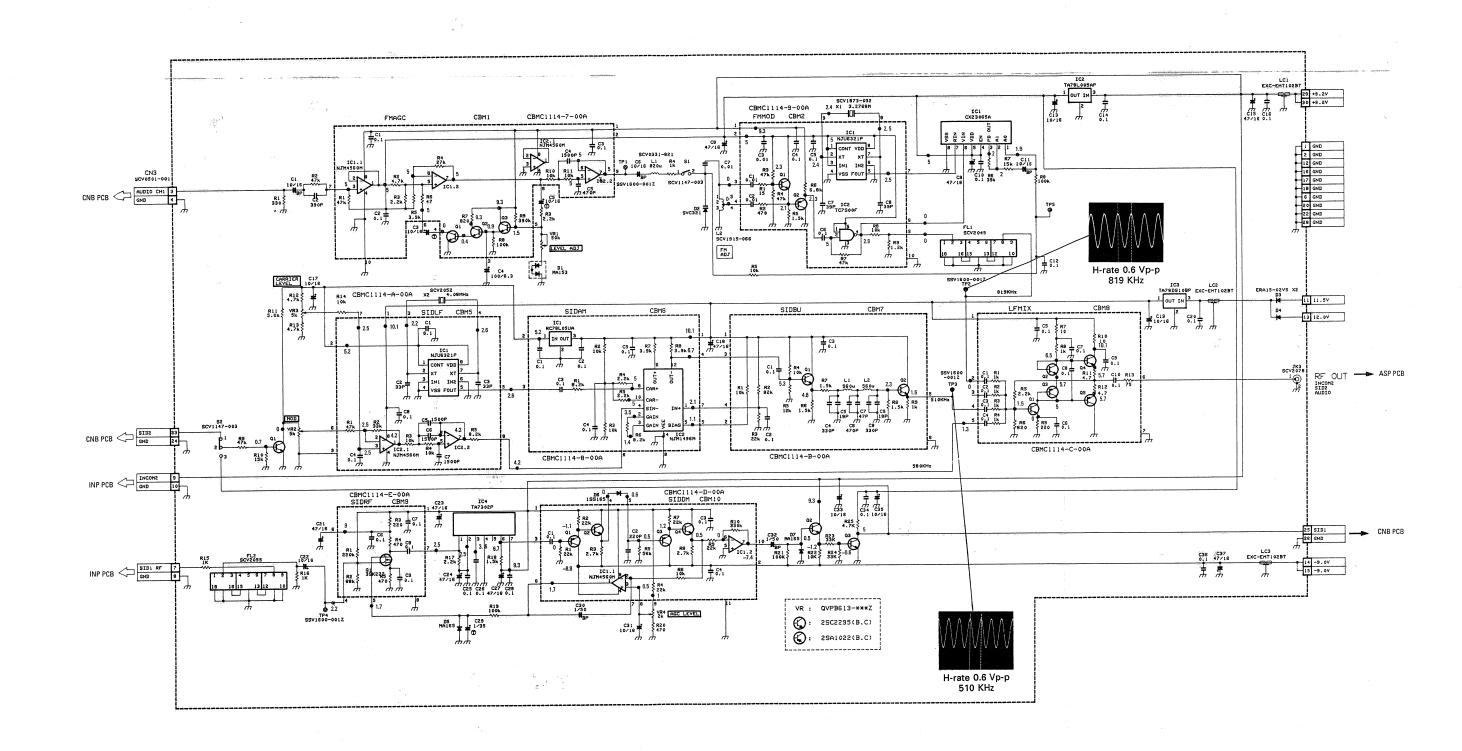
- Side A -



— Side B —







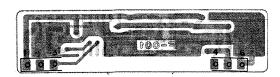
AUS

INP

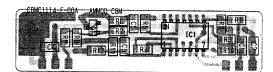
## 5.2.10 INP CIRCUIT BOARD

CBM1
 AMMOD Board [CBMC1114-F-00A]

— Side A —

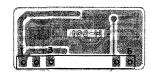


— Side B —

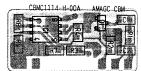


CBM2
 AM AGC Board [CBMC1114-H-00A]

— Side A —

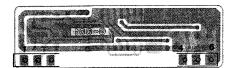


— Side B —

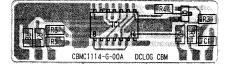


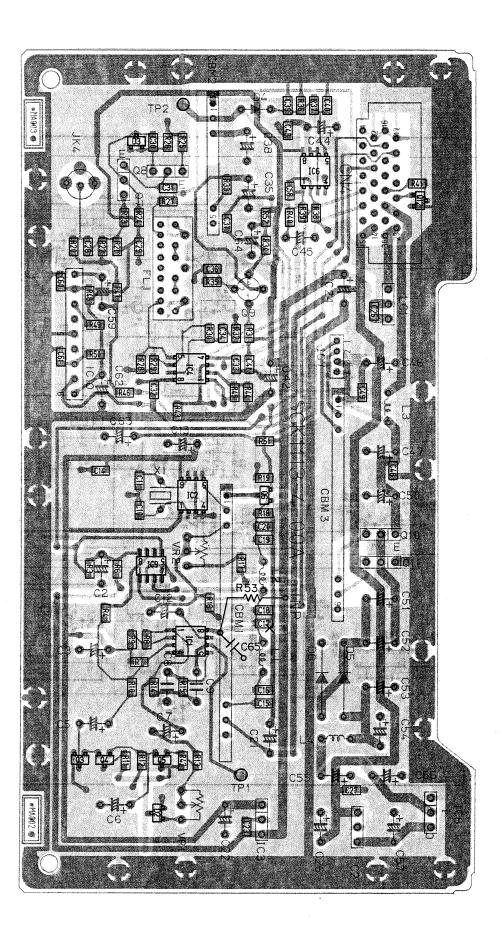
• CBM3 DCLOG Board [CBMC1114-G-00A]

— Side A —



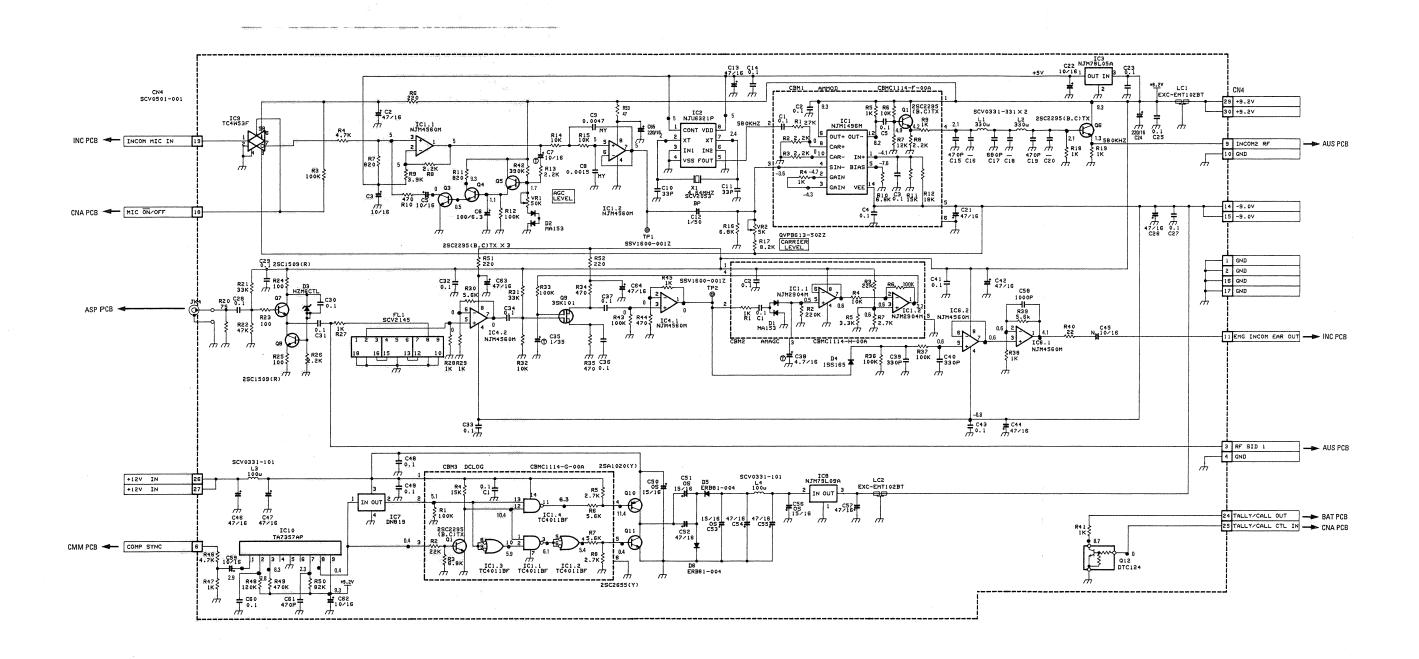
— Side B —





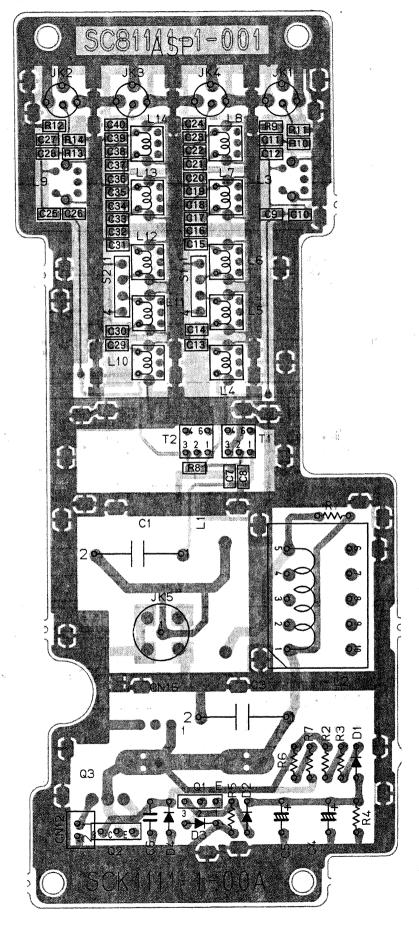
A TOWN OF WAY BOOK WALLS TO

#### 5.2.11 INP BOARD SCHEMATIC DIAGRAM



INP ASP ASP

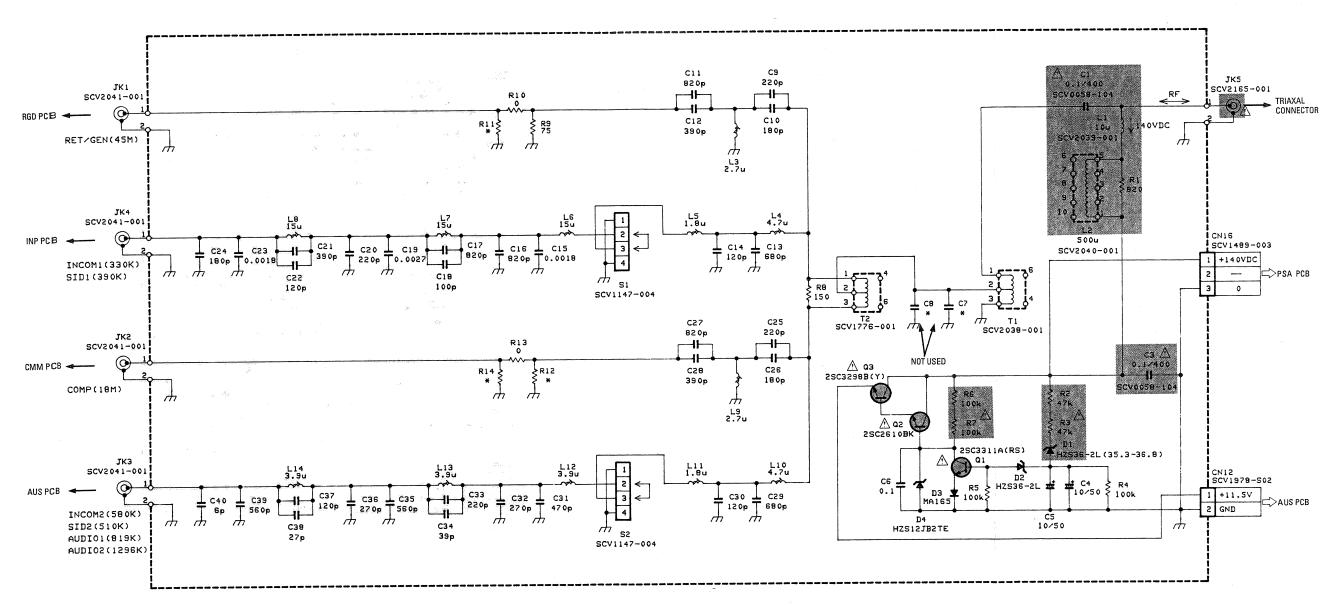
5.2.12 ASP CIRCUIT BOARD



5-17

## 5.2.13 ASP BOARD SCHEMATIC DIAGRAM

 Shaded ( ) parts are critical for safety. Replace only with specified part numbers.

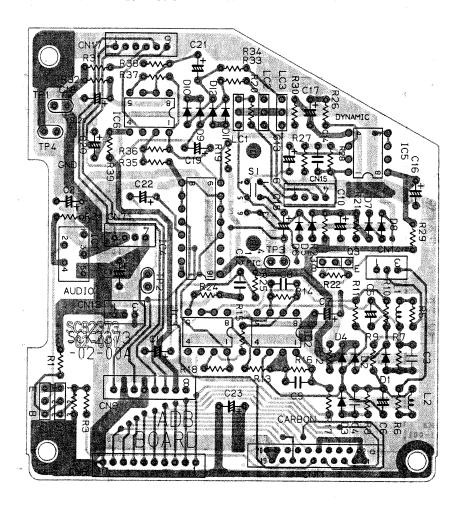


THE PARTS MARKED BY \* ARE OPEN.

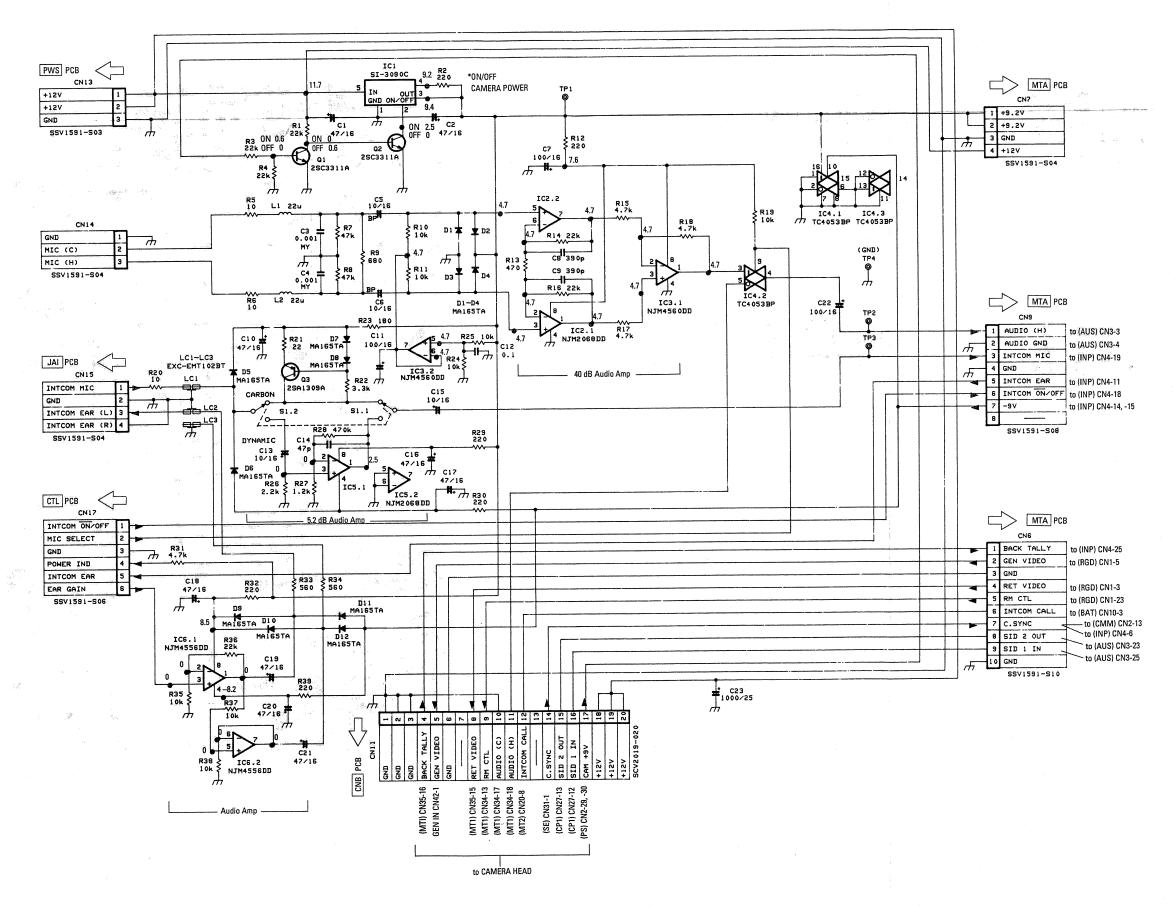
5-18

ASP ADB ADB

5.2.14 ADB CIRCUIT BOARD



## 5.2.15 ADB BOARD SCHEMATIC DIAGRAM



**ADB** 

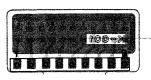
PSA

**PSA** 

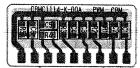
## 5.2.16 PSA CIRCUIT BOARD

CBM1
 PWM Board [CBMC1114-K-00A]

— Side A —

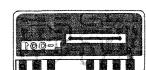


— Side B —



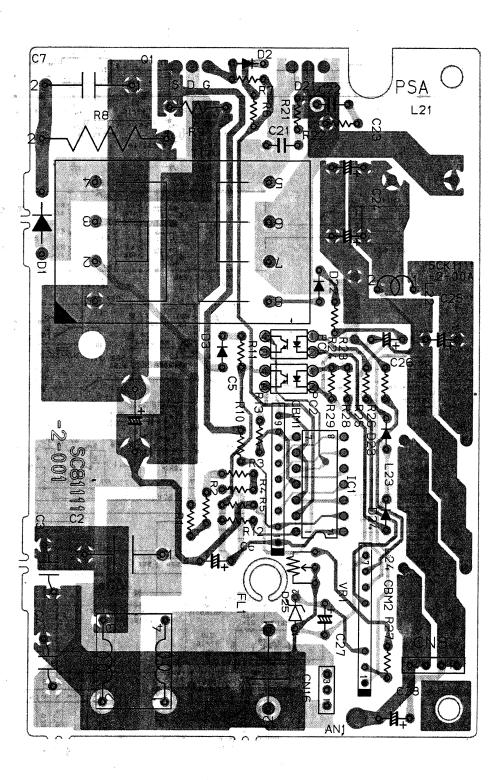
• CBM2 COMP Board [CBMC1114-L-00A]

— Side A —



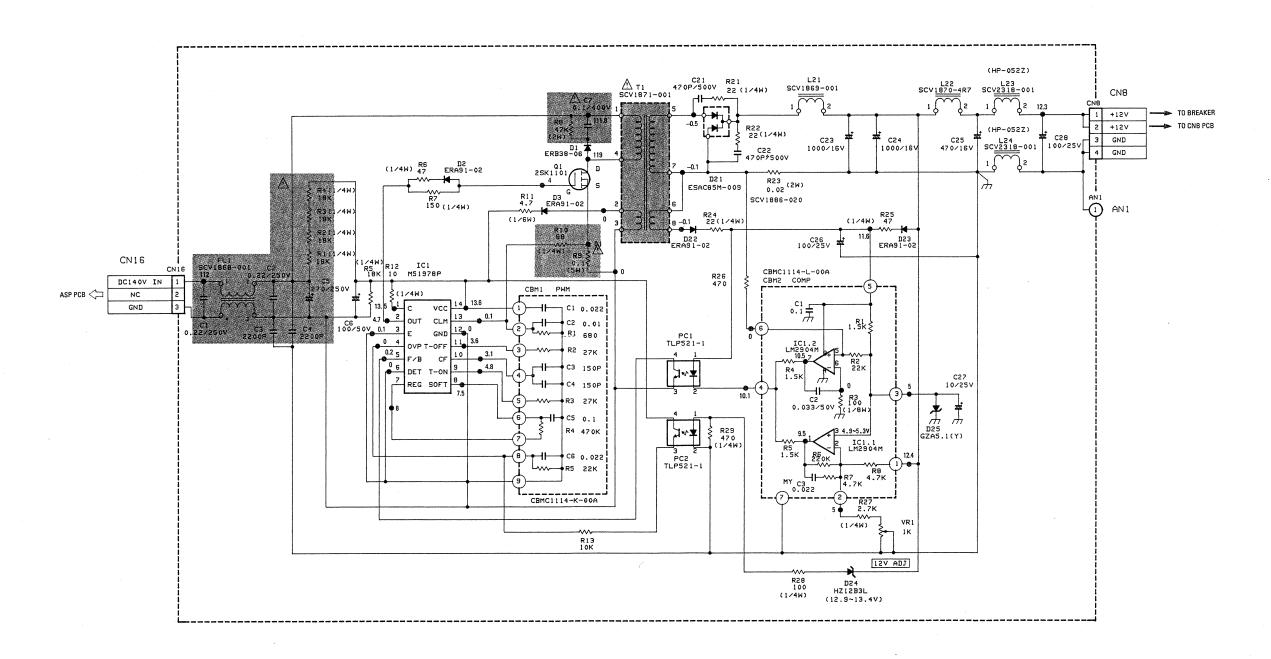
— Side B —





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 Shaded ( ) parts are critical for safety. Replace only with specified part numbers.



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# SECTION 6 ELECTRICAL PARTS LIST

#### **SAFETY PRECAUTION:**

Parts identified by the  $\triangle$  symbol are critical for safety. Replace only with specified parts numbers. For maximum reliability and performance, all other replacement parts should be identical to those specified.

#### NOTE:

- Parts not denoted by parts numbers are not supplied by JVC.
- Abbreviations in this list are as follows:

#### RESISTORS

In the "Description" column:

All resistance values are in ohms ( $\Omega$ ). K expresses kilo-ohm (1 000 ohms, k $\Omega$ ).

M expresses mega-ohm (10 $^6$  ohms, M $\Omega$ ).

#### In the "Parts Name" column:

COMP. RESISTOR : Composition Resistor
U.F. RESISTOR : Non-inflammable Resistor
O.M.F. RESISTOR : Oxide Metalized Film Resistor

FUSI. RESISTOR : Fusible Resistor
M.P. RESISTOR : Metal Plate Resistor
M.G. RESISTOR : Metal Graze Resistor
M.F. RESISTOR : Metal Film Resistor
W.W. RESISTOR : Wire Wound Resistor

#### **CAPACITORS**

In the "Description" column:

All capacitance values are in microfarad ( $\mu F$ ) unless otherwise indicated.

P expresses picofarad (10<sup>-12</sup> farad, pF).

#### In the "Parts Name" column:

TRIM. CAPACITOR: Trimmer Capacitor
CER. CAPACITOR: Ceramic Capacitor
E. CAPACITOR: Electrolytic Capacitor
TAN. CAPACITOR: Tantalum Capacitor
MPP CAPACITOR: Metalized Polypropylene

Capacitor

O.F. CAPACITOR : Oil Film Capacitor

MPF CAPACITOR : Metalized Polyfilm Capacitor

F.M. CAPACITOR : Film Mica Capacitor
P.P. CAPACITOR : Polypropylene Capacitor
P.S. CAPACITOR : Polystyrene Capacitor

Note: In the "Description" column of the parts list, (U) means the parts for the U version while (E) is for the E Version.

Symbol No.	Part No.	Part Name	Description		
IC1	SCV1585-064	I.C.(M)	JVC	(U) <b>≺</b>	for U version
	SCV1585-067	I.C.(M)	JVC	(E) <b>≺</b>	for E version

#### 6.1 MTA board assembly list 11 ⟨SCK2373-01-00A⟩

6.2	RGD	board assembly list	1 2
	<b>⟨SCK</b>	(1113-1-P0A)	

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	CK2373-01-0			
Symbol No.	Part No.	Part Name	Description	
CN1 CN2 CN3 CN4 CN5 CN6 CN7 CN9 CN10	SCV0500-001 SCV0500-001 SCV0500-001 SCV0500-001 SSV1591-S02 SSV1591-L04 SSV1591-L04 SSV1591-L04 SSV1591-L04 SSV1591-L02	CONNECTOR	2-PIN 10-PIN 4-PIN 8-PIN 4-PIN 2-PIN	

Symbol No.	Part No.	Part Name	Description
	TA8611AN	I.C.(M)	TOSHIBA
1	TA7357AP	I.C.(MONO-ANA)	TOSHIBA
1 1	TC4538BF	I.C.(M)	TOSHIBA
1 1	NJM311M	I.C.(M)	JRC
1 1	TC4538BF	I.C.(M)	TOSHIBA
100	10493061	1.C.(IVI)	TOSTIBA
Q2	3SK222	F.E.T	NEC
1	2SC2295(B.C)	TRANSISTOR	MATSUSHITA
1 1	2SC2295(B.C)	TRANSISTOR	MATSUSHITA
1 !	2SC2295(B.C)	TRANSISTOR	MATSUSHITA
1	2SK198(Q.R)	F.E.T.	MATSUSHITA
1 1	2SC2295(B.C)	TRANSISTOR	MATSUSHITA
1	2SC2295(B.C)	TRANSISTOR	MATSUSHITA
	2SC2295(B.C)	TRANSISTOR	MATSUSHITA
1	2SK198(Q.R)	F.E.T.	MATSUSHITA
1	2SK198(Q.R)	F.E.T.	MATSUSHITA
Q14	25K196(Q,N)	[-E-1-	IMA) 303HTA
Q15	2SC2295(B.C)	TRANSISTOR	MATSUSHITA
D2	MA152A	DIODE	MATSUSHITA
1	ERA15-02	SI DIODE	KYODO DENKI
	MA153	DIODE	MATSUSHITA
		DIODE	MATOGOTITA
R5	NRVA02D-75R0	M.F.RESISTOR	75 1/10W
1 1	NRVA02D-1003	M.F.RESISTOR	100K 1/10W
1	NRVA02D-3302	M.F.RESISTOR	33K 1/10W
	NRVA02D-6800	M.F.RESISTOR	680 1/10W
1	NRVA02D-2200	M.F.RESISTOR	220 1/10W
1	NRVA02D-22R0	M.F.RESISTOR	22 1/10W
1 1	NRVA02D-1002	M.F.RESISTOR	10K 1/10W
1	NRVA02D-47R0	M.F.RESISTOR	47 1/10W
R19	NRSA02J-105	MGR	1.0M 1/10W
R20	NRSA02J-105	MGR	1,0M 1/10W
R21	NRVA02D-5601	M.F.RESISTOR	5.6K 1/10W
R22	NRVA02D-1002	M.F.RESISTOR	10K 1/10W
R23	NRVA02D-22R0	M.F.RESISTOR	22 1/10W
R34	NRVA02D-1003	M.F.RESISTOR	100K 1/10W
R51	NRVA02D-4701	M.F.RESISTOR	4.7K 1/10W
R52	NRVA02D-1203	M.F.RESISTOR	120K 1/10W
R53	NRVA02D-4703	M.F.RESISTOR	470K 1/10W
	NRVA02D-1202	M.F.RESISTOR	12K 1/10W
R55	NRVA02D-8202	M.F.RESISTOR	82K 1/10W
R56	NRVA02D-1802	M.F.RESISTOR	18K 1/10W
1	NRVA02D-2702	M.F.RESISTOR	27K 1/10W
1	NRVA02D-6801	M.F.RESISTOR	6.8K 1/10W
1	NRVA02D-6800	M.F.RESISTOR	680 1/10W
1	NRVA02D-5601	M.F.RESISTOR	5.6K 1/10W
1	NRVA02D~4701	M.F.RESISTOR	4.7K 1/10W
	NRVA02D-6801	M.F.RESISTOR	6.8K 1/10W
	NRVA02D~4700	M.F.RESISTOR	470 1/10W
1	NRVA02D-2201	M.F.RESISTOR	2.2K 1/10W
1	NRVA02D-1502 NRVA02D-4700	M.F.RESISTOR M.F.RESISTOR	15K
	NDV/A00D 0004	M E DECICEOD	2.00
k	NRVA02D-3901	M.F.RESISTOR	3.9K 1/10W
1	NRVA02D-1202	M.F.RESISTOR M.F.RESISTOR	12K 1/10W 6.8K 1/10W
1 1	NRVA02D-6801 NRSA02J-105	MGR	1.0M 1/10W
1 1	NRVA02D~4701	M.F.RESISTOR	4.7K 1/10W
R71		111.1 .11LOIO I OIL	11.715

Symbol No.	Part No.	Part Name	De	scription	Symbol No.	Part No.	Part Name	Desc	ription
R73	NRVA02D-4700	M.F.RESISTOR	470	1/10W	C58	NCT03CH-101	C CAP	100P	50V
R74	NRVA02D-4702	M.F.RESISTOR	47K	1/10W	C59	NCB21HK-103	CER.CAPACITOR-M	0.010	50V
R75	NRVA02D-75R0	M.F.RESISTOR	75	1/10W	C60	NCT03CH-390	C CAP	39P	50V
R76	NRVA02D-75R0	M.F.RESISTOR	75	1/10W	C61	NCT03CH-270	C CAP	27P	50V
1170				1	C62	NCT03CH-270	C GAP	27P	50V
R77	NRVA02D-75R0	M.F.RESISTOR	75	1/10W	C63	NCB21HK-103	CER.CAPACITOR-M	0.010	50V
R78	NRVA02D-75R0	M.F.RESISTOR	75	1/10W	C64	NCT03CH-102	C CAP	1000P	50V
R79	NRVA02D-1001	M.F.RESISTOR	1.0K	1/10W	t		}		
R80	NRVA02D-4703	M.F.RESISTOR	470K	1/10W	C65	NCF21EZ-104	C CAP	0.10	25V
R81	NRVA02D-1801	M.F.RESISTOR	1.8K	1/10W	C66	QER41CM-476	E CAP	47	16V
R82	NRVA02D-2201	M.F.RESISTOR	2.2K	1/10W	C67	QETAOJM-108	E CAP	1000	6.3V
R83	NRVA02D-2201	M.F.RESISTOR	470K	1/10W	C68	QETA0JM-108	E CAP	1000	6.3V
R84	NRVA02D-1002	M.F.RESISTOR	10K	1/10W	C69	QER41CM-476	E CAP	47	16V
R85	NRVA02D-5601	M.F.RESISTOR	5.6K	1/10W	C7.0	NCT03CH-102	C CAP	1000P	50V
R86	NRVA02D-3301	M.F.RESISTOR	3.3K	1/10W	C71	NCF21EZ-104	C CAP	0.10	25V
noo	MNVA02D-3301	W.IITESIOTOIA	J.JK	1710	C72	NCF21EZ-104	C CAP	0.10	25V
507	NRVA02D-3301	M.F.RESISTOR	3.3K	1/10W	C73	NCT03CH-102	C CAP	1000P	50V
R87			150K	1/10W	C74	NCB21HK-472	C CAP	4700P	50V
R88	NRVA02D-1503	M.F.RESISTOR	100K	1/10W	1 6/4	NCDZITIK 47Z	COA	47001	30 v
R89	NRVA02D~1003	M.F.RESISTOR			C75	NCT03CH-222	CER.CAPACITOR-M	2200P	50V
R90	NRVA02D-2202	M.F.RESISTOR	22K	1/10W	C75 C76	NCT03CH-222	CER.CAPACITOR-M	2200P 2200P	50V 50V
R91	NRVA02D-2202	M.F.RESISTOR	22K	1/10W	1	1			
R92	NRVA02D-4701	M.F.RESISTOR	4.7K	1/10W	C77	NCF21EZ-104	C CAP	0.10	25V
R93	NRVA02D-2203	M.F.RESISTOR	220K	1/10W	C78	QER41CM-106	E CAP	10	16V
R94	NRVA02D-4703	M.F.RESISTOR	470K	1/10W	C7.9	QEN41HM-474	NP CAP	0.47	50V
R95	NRVA02D-2202	M.F.RESISTOR	22K	1/10W	C80	NCF21EZ-104	C CAP	0.10	25V
R96	NRVA02D-4702	M.F.RESISTOR	47K	1/10W	C81	NCF21EZ-104	C CAP	0.10	25V
Ì					C82	NCT03CH-560	CER.CAPACITOR-M	56P	50V
R97	NRVA02D-2203	M.F.RESISTOR	220K	1/10W	C83	NCF21EZ-104	C CAP	0.10	25V
R98	NRVA02D-4703	M.F.RESISTOR	470K	1/10W	C84	NCF21EZ-104	C CAP	0.10	25V
R99	NRVA02D-1002	M.F.RESISTOR	10K	1/10W	1				
R100	NRVA02D-1002	M.F.RESISTOR	10K	. 1/10W	C85	NCF21EZ-104	C CAP	0.10	25V
R101	NRVA02D-2702	M.F.RESISTOR	27K	1/10W	C86	NCT03CH-330	CER.CAPACITOR-M	33P	50V
R102	NRVA02D-2201	M.F.RESISTOR	2.2K	1/10W	C87	NCF21EZ-104	C CAP	0.10	25V
R103	NRVA02D-2201	M.F.RESISTOR	2.2K	1/10W	C88	NCF21EZ-104	C CAP	0.10	25V
					C89	NCF21EZ-104	C CAP	0.10	25V
				ļ	C90	NCF21EZ-104	C CAP	0.10	25V
VR1	QVPB609-103	VR	10K	RF AGC					
VR3	QVPB609-502	VR	5.0K	RET LEV	-			1	
					L1	SCV1908-R39	PEAKING COIL	0.39μH	
					L2	SCV1908-R39	PEAKING COIL	0.39µH	
C2	NCF21EZ-104	C CAP	0.10	ź 25V	L3	SCV1908-R27	COIL	0.27µH	
C4	NCF21EZ-104	C CAP	0.10	25V	L4	SCV1908-R27	COIL	0.27µH	
C5	NCF21EZ-104	C CAP	0.10	25V	L5	SCV1908-R22	COIL	0.22μΗ	
C7	NCT03UJ-180	C CAP	18P	50V	L6	SCV1908-R15	COIL	0.15µH	
C8	NCF21EZ-104	C CAP	0.10	25V	L7	SCV1908-R27	COIL	0.27μH	
C15	NCF21EZ-104	C CAP	0.10	25V	L8	SCV1908-R39	PEAKING COIL	0.39μΗ	
C16	NCF21EZ-104	C CAP	0.10	25V	L10	SCV1908-R27	COIL	0.27µH	
C17	QEJ41CM-475	T CAP	4.7	16V					
C18	QFN41HJ-393	MY CAP	0.039	50V	l l				
C19	NCF21EZ-104	C CAP	0.10	25V	LC1	EXC-EMT102BT	LC FILTER		
0,3	NOI ZILZ TO	0 0/11	3.10	20.	1			1	
C20	NCF21EZ-104	C CAP	0.10	25V					
C21	NCT03UJ~470	C CAP	47P	50V	RY3	SCV2078-001	RELAY	1	
C22	QETA1AM-107	E CAP	100	10V	1				
	QER41CM-476	E CAP	47	16V	-			1	
C23	NCF21EZ-104	C CAP	0.10	25V	S1	SCV1147-003	CONNECTOR		
		E CAP	47	16V	S2	SCV1147-003	CONNECTOR	1	
C29	QER41CM-476	J	100		S3	SCV1147-003	CONNECTOR		
C51	QER40JM~107	E CAP	1	6.3V	00	JUV 1147-004	CONNECTOR	-	
C52	QER41CM-476	E CAP	47	16V					
C53	NCF21EZ-104	C CAP	0.10	25V	CNIA	SCV0501 001	CONNECTOR	20 014	
C54	QFN41HJ-473	MYLAR CAPACITOR	0.047	50V	CN1	SCV0501-001	CONNECTOR	30-PIN	
			4705	5014	1				
C55	NCT03CH-471	C CAP	470P	50V	074	001/0044 004	DE COMMISSES		
C56	NCT03CH-471	C CAP	470P	50V	JK1	SCV2041-001	RF CONNECTOR		
C57	NCT03CH-121	C CAP	120P	50V \	ı	1	1 .	1	

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1 3		

Part No.	Part Name	Descri	ption
SSV0939-001	FERRITE BEAD		
CBM1 CBM	/IC1114-1-00A 45	BPA CBM	
NOTOCCI 200	CCAR	200	50V
			50V
	1		50V
1 '	1		50V
1			50V
1			50V
		1	50V
1		1	50V
	1	1 * *	50V
NCT03CH-6R0	C CAP	6.0P	50V
NCT03CH-390	C CAP	39P	50V
NCT03CH-470			50V
NCT03CH-330	1		50V
NCT03CH-271	1		50V
· ·	i .	1	50V
ł.		İ	50V
1	- ·	1	50V 50V
·			50V 50V
NCT03CH-4R0 NCT03CH-820	CER.CAPACITOR-M	82P	50V
NCT03CH-680	C CAP	68P	50V
CBM2 CBN	1C114-2-00A RET	OUT CBM	
MC14577BF NJM4560MD	I.C(MONO-ANA) I.C.(M)	MOTOROLA JRC	
NRV402D-5600	M.F.RESISTOR	560	1/10W
NRVA02D-5600	M.F.RESISTOR	560 560	
NRVA02D-5600	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	560 560 75	1/10W 1/10W 1/10W
1	M.F.RESISTOR	560	1/10W
NRVA02D-5600 NRVA02D-75R0	M.F.RESISTOR M.F.RESISTOR	560 75	1/10W 1/10W
NRVA02D-5600 NRVA02D-75R0 NRVA02D-75R0	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	560 75 75	1/10W 1/10W 1/10W
NRVA02D-5600 NRVA02D-75R0 NRVA02D-75R0 NRVA02D-4702	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	560 75 75 47K 560 560	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
NRVA02D-5600 NRVA02D-75R0 NRVA02D-75R0 NRVA02D-4702 NRVA02D-5600	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	560 75 75 47K 560 560 6.8K	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
NRVA02D-5600 NRVA02D-75R0 NRVA02D-75R0 NRVA02D-4702 NRVA02D-5600 NRVA02D-5600	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	560 75 75 47K 560 560	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
NRVA02D-5600 NRVA02D-75R0 NRVA02D-75R0 NRVA02D-4702 NRVA02D-5600 NRVA02D-5600 NRVA02D-6801	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	560 75 75 47K 560 560 6.8K	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
NRVA02D-5600 NRVA02D-75R0 NRVA02D-75R0 NRVA02D-4702 NRVA02D-5600 NRVA02D-5600 NRVA02D-6801 NRVA02D-3301	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	560 75 75 47K 560 560 6.8K 3.3K	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
NRVA02D-5600 NRVA02D-75R0 NRVA02D-75R0 NRVA02D-4702 NRVA02D-5600 NRVA02D-5600 NRVA02D-6801 NRVA02D-3301	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR C CAP C CAP C CAP	560 75 75 47K 560 560 6.8K 3.3K	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 50V 50V 50V
NRVA02D-5600 NRVA02D-75R0 NRVA02D-75R0 NRVA02D-4702 NRVA02D-5600 NRVA02D-5600 NRVA02D-3301 NCT03CH-100 NCT03CH-391	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR C CAP C CAP C CAP C CAP	560 75 75 47K 560 560 6.8K 3.3K	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 50V 50V 50V 50V
NRVA02D-5600 NRVA02D-75R0 NRVA02D-75R0 NRVA02D-4702 NRVA02D-5600 NRVA02D-5600 NRVA02D-3301 NCT03CH-100 NCT03CH-391 NCT03CH-391 NCT03CH-391 NCT03CH-100	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR C CAP C CAP C CAP C CAP C CAP C CAP	560 75 75 47K 560 560 6.8K 3.3K 10P 390P 1000P 390P 10P	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 50V 50V 50V 50V 50V
NRVA02D-5600 NRVA02D-75R0 NRVA02D-75R0 NRVA02D-4702 NRVA02D-5600 NRVA02D-6801 NRVA02D-3301 NCT03CH-100 NCT03CH-391 NCT03CH-102 NCT03CH-391	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR C CAP C CAP C CAP C CAP	560 75 75 47K 560 560 6.8K 3.3K	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 50V 50V 50V 50V
NRVA02D-5600 NRVA02D-75R0 NRVA02D-75R0 NRVA02D-4702 NRVA02D-5600 NRVA02D-5600 NRVA02D-3301 NCT03CH-100 NCT03CH-391 NCT03CH-391 NCT03CH-391 NCT03CH-100	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR C CAP C CAP C CAP C CAP C CAP C CAP	560 75 75 47K 560 560 6.8K 3.3K 10P 390P 1000P 390P 10P	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 50V 50V 50V 50V 50V
NRVA02D-5600 NRVA02D-75R0 NRVA02D-75R0 NRVA02D-4702 NRVA02D-5600 NRVA02D-5600 NRVA02D-3301 NCT03CH-100 NCT03CH-391 NCT03CH-391 NCT03CH-391 NCT03CH-100 NCF21EZ-104	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR C CAP	560 75 75 47K 560 560 6.8K 3.3K 10P 390P 1000P 390P 10P 0.10	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 50V 50V 50V 50V 50V
	NCT03CH-390 NCT03CH-120 NCT03CH-7R0 NCT03CH-390 NCT03CH-470 NCT03CH-2R0 NCT03CH-2R0 NCT03CH-330 NCT03CH-330 NCT03CH-6R0 NCT03CH-390 NCT03CH-470 NCT03CH-370 NCT03CH-271 NCT03CH-330 NCT03CH-560 NCT03CH-560 NCT03CH-2R0 NCT03CH-2R0 NCT03CH-4R0 NCT03CH-820 NCT03CH-680	NCT03CH-390         C CAP           NCT03CH-120         CER.CAPACITOR-M           NCT03CH-780         C CAP           NCT03CH-390         C CAP           NCT03CH-270         C CAP           NCT03CH-280         CER.CAPACITOR-M           NCT03CH-330         CER.CAPACITOR-M           NCT03CH-330         CER.CAPACITOR-M           NCT03CH-390         C CAP           NCT03CH-370         C CAP           NCT03CH-330         CER.CAPACITOR-M           NCT03CH-330         CER.CAPACITOR-M           NCT03CH-330         CER.CAPACITOR-M           NCT03CH-330         CER.CAPACITOR-M           NCT03CH-390         C CAP           NCT03CH-390         C CAP           NCT03CH-390         C CAP           NCT03CH-480         C CAP           NCT03CH-480         CER.CAPACITOR-M           NCT03CH-820         CER.CAPACITOR-M           NCT03CH-680         C CAP    CBM2 CBMC114-2-00A RET  I.C(MONO-ANA)	NCT03CH-120         CER.CAPACITOR-M         12P           NCT03CH-7R0         C CAP         7.0P           NCT03CH-390         C CAP         39P           NCT03CH-470         C CAP         47P           NCT03CH-2R0         CER.CAPACITOR-M         2.0P           NCT03CH-2R0         CER.CAPACITOR-M         33P           NCT03CH-330         CER.CAPACITOR-M         33P           NCT03CH-330         CER.CAPACITOR-M         33P           NCT03CH-390         C CAP         47P           NCT03CH-390         C CAP         47P           NCT03CH-330         CER.CAPACITOR-M         33P           NCT03CH-330         CER.CAPACITOR-M         33P           NCT03CH-330         CER.CAPACITOR-M         33P           NCT03CH-390         C CAP         39P           NCT03CH-390         C CAP         39P           NCT03CH-480         CER.CAPACITOR-M         2.0P           NCT03CH-820         CER.CAPACITOR-M         4.0P           NCT03CH-820         CER.CAPACITOR-M         32P           NCT03CH-680         C CAP         68P    CBM2 CBMC114-2-00A RET OUT CBM

No.		Part Name	Description	
IC1 I	NJM1496D	I.C(MONO-ANA)	JRC	
IC2	MC14001BFL	I.C(DIGI-MOS)	MOTROLA	
IC3	RC78L05UA	I.C(MONO-ANA)	RAYTHEON	
IC4	RC79L05UA	I.C.(M)	RAYTHEON	
Q1 :	2SC2295(B.C)	TRANSISTOR	MATSUSHITA	
Q2 :	2SC1906	TRANSISTOR	HITACHI	·
Q3 :	2SC1906	TRANSISTOR	HITACHI	
Q4 :	2SC1906	TRANSISTOR	HITACHI	
	2SC1906	TRANSISTOR	HITACHI	
I	2SA781K	SI.TRANSISTOR	HITACHI	
	2SC1906	TRANSISTOR	HITACHI	-
	2SA781K	SI.TRANSISTOR	HITACHI	
	2SC1906	TRANSISTOR	HITACHI HITACHI	
Q11	2SA781K	SI.TRANSISTOR	ППАСП	
D4	NDVACOD CCCC	M. E. DECICEAD	00 4/4044	
	NRVA02D-22R0	M.F.RESISTOR	22 1/10W 5.6K 1/10W	
	NRVA02D-5601 NRVA02D-5601	M.F.RESISTOR M.F.RESISTOR	5.6K 1/10W 5.6K 1/10W	
i I	NRVA02D-5601 NRVA02D-1002	M.F.RESISTOR	10K 1/10W	
	NRVA02D-1002	M.F.RESISTOR	10K 1/10W	
	NRVA02D-1002 NRVA02D-2702	M.F.RESISTOR	27K 1/10W	
	NRVA02D-2702	M.F.RESISTOR	22K 1/10W	
i I	NRVA02D-1001	M.F.RESISTOR	1.0K 1/10W	
R9	NRVA02D-1001	M.F.RESISTOR	1.0K 1/10W	
R10	NRVA02D-1001	M.F.RESISTOR	1.0K 1/10W	
R11	NRVA02D-1001	M.F.RESISTOR	1.0K 1/10W	
R12	NRVA02D-1001	M.F.RESISTOR	1.0K 1/10W	
	NRVA02D-4701	M.F.RESISTOR	4.7K 1/10W	
1 1	NRVA02D-1501	M.F.RESISTOR	1.5K 1/10W	
1 !	NRVA02D-4701	M.F.RESISTOR	4.7K 1/10W	
1 1	NRVA02D-2202	M.F.RESISTOR	22K 1/10W	
1 1	NRVA02D-2702 NRVA02D-4700	M.F.RESISTOR M.F.RESISTOR	27K 1/10W 470 1/10W	
	NRSA02J-0R0	M.G.RESISTOR	0 1/10W	
	NRVA02D-1001	M.F.RESISTOR	1.0K 1/10W	
R21	NRVA02D-1802	M.F.RESISTOR	18K 1/10W	
	NRVA02D-4700	M.F.RESISTOR	470 1/10W	
R23	NRVA02D-1001	M.F.RESISTOR	1.0K 1/1QW	
R24	NRVA02D-1001	M.F.RESISTOR	1.0K 1/10W	
	NRVA02D-1001	M.F.RESISTOR	1.0K 1/10W	
	NRVA02D-2702	M.F.RESISTOR	27K 1/10W	
1	NRVA02D-2202	M.F.RESISTOR	22K 1/10W	
	NRVA02D-10R0	M.F.RESISTOR	10 1/10W	
1	NRVA02D-2201 NRVA02D-10R0	M.F.RESISTOR M.F.RESISTOR	2.2K 1/10W 10 1/10W	
	NRVA02D-8200	M.F.RESISTOR	820 1/10W	İ
1	NRVA02D-2701 NRVA02D-2200	M.F.RESISTOR M.F.RESISTOR	2.7K 1/10W 220 1/10W	
	NRVA02D-22R0	M.F.RESISTOR	22 1/10W	
	NRVA02D 22N0 NRVA02D-1501	M.F.RESISTOR	1.5K 1/10W	
	NRVA02D-1200	M.F.RESISTOR	120 1/10W	
	NRVA02D-10R0	M.F.RESISTOR	10 1/10W	
	NRVA02D-10R0	M.F.RESISTOR	10 1/10W	
	NRVA02D-10R0	M.F.RESISTOR	10 1/10W	
R40 1	NRVA02D-10R0	M.F.RESISTOR	10 1/10W	
R41 N	NRVA02D-2202	M.F.RESISTOR	22K 1/10W	
i i	NRVA02D-2202	M.F.RESISTOR	22K 1/10W	ĺ
R43 N	NRVA02D-5600	M.F.RESISTOR	560 1/10W	

R44	Symbol No.	Part No.	Part Name	Description
NFAVO2D-10R0		NBVACOD EGOC	M E DECICTOR	560 1/10/4/
NFNA02D-10R0	****			1
R48         NRVA02D-1OR00         M.F.RESISTOR         10         1/10W           R49         NRVA02D-1OR0         M.F.RESISTOR         10         1/10W           R50         NRVA02D-1OR0         M.F.RESISTOR         10         1/10W           R50         NRVA02D-1OR0         M.F.RESISTOR         10         1/10W           R51         NRSA02J-1OR0         M.F.RESISTOR         10         1/10W           R52         NRVA02D-1OR0         M.F.RESISTOR         10         1/10W           R53         NRVA02D-1O00         M.F.RESISTOR         10         1/10W           R54         NRYA02D-1O20         VR         1.0K         MOD           R55         NRSA02J-750         M.F.RESISTOR         10         1/10W           VR1         QVPB609-102         VR         1.0K         MOD           VR2         QVPB609-102         VR         1.0K         MCD           VR3         QVPB609-202         VR         1.0K         MCD           VR4         QVPB609-102         VR         1.0K         MCD           VR5         QVPB609-102         VR         1.0K         MCD           VR6         QVPB609-102         VR         1.0K				
R48		1	1	1
NRVA02D-1OR0   NF.RESISTOR   10		l .		1
R50		I '		
NRSA02J-ORO   M.G.RESISTOR   10		li .	1	1
NRVA02D-10R0	H50	NHVAUZU=7.5HU	WI.F.RESISTOR	175 17 LUVV.
RESISTOR   10	R51	NRSA02J-0R0	M.G.RESISTOR	0 .1/10W
R54	R52		M.F.RESISTOR	10 1/10W
NRSA02J-750   M.G.RESISTOR   75   1/10W	R53	NRVA02D-1OR0	M.F.RESISTOR	10 1/10W
VR1	R54	NRVA02D-1000		100 1/10W
VR2         QVPB609-202         VR         2.0K         DC SET           VR3         QVPB609-102         VR         1.0K         RF GAIN           VR4         QVPB609-102         VR         1.0K         RF GAIN           VR5         QVPB609-202         VR         1.0K         BALLANCE           VR6         QVPB609-202         VR         2K         RF DC OFFSET           C1         QETA1AM-107         E CAP         100         10V           C2         QETA1AM-107         E CAP         100         10V           C3         QERACHAM-107         E CAP         100         10V           C4         QEJA1VM-105         T CAP         1.0         35V           C6         NCF21EZ-104         C CAP         0.10         25V           C8         QERAJJM-107         E CAP         100         6.3V           C9         NCF21EZ-104         C CAP         0.10         25V           C9         NCF21EZ-104         C CAP         0.10         25V           C10         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C12         NCT03CH-34M-107         E CAP         100         10V	R55	NRSA02J-750	M.G.RESISTOR	75 1/10W
VR2         QVPB609-202         VR         2.0K         DC SET           VR3         QVPB609-102         VR         1.0K         RF GAIN           VR4         QVPB609-102         VR         1.0K         RF GAIN           VR5         QVPB609-202         VR         1.0K         BALLANCE           VR6         QVPB609-202         VR         2K         RF DC OFFSET           C1         QETA1AM-107         E CAP         100         10V           C2         QETA1AM-107         E CAP         100         10V           C3         QERACHAM-107         E CAP         100         10V           C4         QEJA1VM-105         T CAP         1.0         35V           C6         NCF21EZ-104         C CAP         0.10         25V           C8         QERAJJM-107         E CAP         100         6.3V           C9         NCF21EZ-104         C CAP         0.10         25V           C9         NCF21EZ-104         C CAP         0.10         25V           C10         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C12         NCT03CH-34M-107         E CAP         100         10V	1/04	OVD0000 100	VP.	1.0%
VR3	1	i i		
VR4         QVPB609-102 VR         VR         1.0K         BALLANCE PKF DC OFFSET           C1         QETA1AM-107 E CAP         E CAP         100         10V           C2         QETA1AM-107 E CAP         E CAP         100         10V           C3         QER41CM-476 E CAP         47         18V           C4         QEJ41VM-105 T CAP         1.0         35V           C6         NCF21EZ-104 C CAP         0.10         25V           C7         NCF21EZ-104 C CAP         0.10         25V           C8         QER40JM-107 E CAP         0.10         25V           C9         NCF21EZ-104 C CAP         0.10         25V           C10         NCT03CH-330 CER.CAPACITOR-M         33P         50V           C11         NCT03CH-560 CER.CAPACITOR-M         33P         50V           C12         NCT03CH-180 C CAP         18P         50V           C14         QETA1AM-107 E CAP         100         10V           C15         NCF21EZ-104 C CAP         0.10         25V           C16         NCF21EZ-104 C CAP         0.10         25V           C17         NCF21EZ-104 C CAP         0.10         25V           C18         NCF21EZ-104 C CAP		1	1	
VR6         QVPB609-202         VR         2K         RF DC OFFSET           C1         QETA1AM-107         E CAP         100         10V           C2         QETA1AM-107         E CAP         100         10V           C3         QERA1CM-476         E CAP         47         16V           C4         QEJ41VM-105         T CAP         1.0         35V           C6         NCF21EZ-104         C CAP         0.10         25V           C7         NCF21EZ-104         C CAP         0.10         25V           C8         QERAJJM-107         E CAP         100         6.3V           C9         NCF21EZ-104         C CAP         0.10         25V           C10         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C11         NCT03CH-330         CER.CAPACITOR-M         56P         50V           C13         NCT03CH-180         C CAP         100         10V           C14         QETA1AM-107         E CAP         100         10V           C15         NCF21EZ-104         C CAP         0.10         25V           C16         NCF21EZ-104         C CAP         0.10         25V				1
C1 QETA1AM-107 E CAP 100 10V C2 QETA1AM-107 E CAP 100 10V C3 QER41CM-476 E CAP 47 16V C4 QEJ41VM-105 T CAP 1.0 35V C6 NCF21EZ-104 C CAP 0.10 25V C7 NCF21EZ-104 C CAP 0.10 25V C8 QER40JM-107 E CAP 100 6.3V C9 NCF21EZ-104 C CAP 0.10 25V C10 NCT03CH-330 CER.CAPACITOR-M 33P 50V C11 NCT03CH-330 CER.CAPACITOR-M 33P 50V C12 NCT03CH-380 C CAP 18P 50V C14 QETA1AM-107 C CAP 18P 50V C15 NCF21EZ-104 C CAP 0.10 25V C16 NCF21EZ-104 C CAP 18P 50V C17 NCF21EZ-104 C CAP 0.10 25V C18 NCF21EZ-104 C CAP 0.10 25V C19 NCF21EZ-104 C CAP 0.10 25V C10 NCF21EZ-104 C CAP 0.10 25V C10 NCF21EZ-104 C CAP 0.10 25V C11 NCF21EZ-104 C CAP 0.10 25V C12 NCF21EZ-104 C CAP 0.10 25V C13 NCF21EZ-104 C CAP 0.10 25V C14 NCF21EZ-104 C CAP 0.10 25V C15 NCF21EZ-104 C CAP 0.10 25V C16 NCF21EZ-104 C CAP 0.10 25V C17 NCF21EZ-104 C CAP 0.10 25V C18 NCF21EZ-104 C CAP 0.10 25V C20 NCT03CH-391 C CAP 0.10 25V C21 NCF21EZ-104 C CAP 0.10 25V C22 NCT03CH-330 CER.CAPACITOR-M 33P 50V C23 NCF21EZ-104 C CAP 0.10 25V C24 NCF21EZ-104 C CAP 0.10 25V C25 NCF21EZ-104 C CAP 0.10 25V C26 QER41CM-476 C CAP 0.10 25V C27 NCF21EZ-104 C CAP 0.10 25V C28 NCF21EZ-104 C CAP 0.10 25V C29 NCF21EZ-104 C CAP 0.10 25V C29 NCF21EZ-104 C CAP 0.10 25V C29 NCF21EZ-104 C CAP 0.10 25V C29 NCF21EZ-104 C CAP 0.10 25V C29 NCF21EZ-104 C CAP 0.10 25V C29 NCF21EZ-104 C CAP 0.10 25V C29 NCF21EZ-104 C CAP 0.10 25V C29 NCF21EZ-104 C CAP 0.10 25V C30 NCF21EZ-104 C CAP 0.10 25V C31 NCF21EZ-104 C CAP 0.10 25V C32 NCF21EZ-104 C CAP 0.10 25V C33 NCF21EZ-104 C CAP 0.10 25V C34 NCF21EZ-104 C CAP 0.10 25V C35 NCF21EZ-104 C CAP 0.10 25V C36 NCF21EZ-104 C CAP 0.10 25V C37 NCF21EZ-104 C CAP 0.10 25V C38 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CAP 0.10 25V C30 NCF21EZ-104 C CAP 0.10 25V C31 NCF21EZ-104 C CAP 0.10 25V C33 NCF21EZ-104 C CAP 0.10 25V C34 NCF21EZ-104 C CAP 0.10 25V C35 NCF21EZ-104 C CAP 0.10 25V C36 NCF21EZ-104 C CAP 0.10 25V C37 NCF21EZ-104 C CAP 0.10 25V C38 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CA			· ·	
C2         QETA1AM-107         E CAP         100         10V           C3         QER41CM-476         E CAP         47         16V           C4         QEJ41VM-105         T CAP         1.0         35V           C6         NCF21EZ-104         C CAP         0.10         25V           C7         NCF21EZ-104         C CAP         0.10         25V           C8         QER40JM-107         E CAP         100         6.3V           C9         NCF21EZ-104         C CAP         0.10         25V           C10         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C11         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C13         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C13         NCT03CH-380         C CAP         18P         50V           C14         QETA1AM-107         E CAP         100         10V           C15         NCF21EZ-104         C CAP         0.10         25V           C16         NCF21EZ-104         C CAP         0.10         25V           C17         NCF21EZ-104         C CAP         0.10         25V      <	, ing	QVFB009-202	VN	ZK NF DC OFFSET
C2         QETA1AM-107         E CAP         100         10V           C3         QER41CM-476         E CAP         47         16V           C4         QEJ41VM-105         T CAP         1.0         35V           C6         NCF21EZ-104         C CAP         0.10         25V           C7         NCF21EZ-104         C CAP         0.10         25V           C8         QER40JM-107         E CAP         100         6.3V           C9         NCF21EZ-104         C CAP         0.10         25V           C10         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C11         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C13         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C13         NCT03CH-380         C CAP         18P         50V           C14         QETA1AM-107         E CAP         100         10V           C15         NCF21EZ-104         C CAP         0.10         25V           C16         NCF21EZ-104         C CAP         0.10         25V           C17         NCF21EZ-104         C CAP         0.10         25V      <	C1	OETA1AM~107	E CAP	100 10V
C3         QER41CM-476         E CAP         47         16V           C4         QEJ41VM-105         T CAP         1.0         35V           C6         NCF21EZ-104         C CAP         0.10         25V           C7         NCF21EZ-104         C CAP         0.10         25V           C8         QER40JM-107         E CAP         100         6.3V           C9         NCF21EZ-104         C CAP         0.10         25V           C10         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C11         NCT03CH-560         CER.CAPACITOR-M         33P         50V           C12         NCT03CH-180         C CAP         18P         50V           C13         NCT03CH-180         C CAP         100         10V           C14         QETA1AM-107         E CAP         100         10V           C15         NCF21EZ-104         C CAP         0.10         25V           C16         NCF21EZ-104         C CAP         0.10         25V           C17         NCF21EZ-104         C CAP         0.10         25V           C18         NCF21EZ-104         C CAP         0.10         25V	1	I -		1
C4         QEJ41VM-105         T CAP         1.0         35V           C6         NCF21EZ-104         C CAP         0.10         25V           C7         NCF21EZ-104         C CAP         0.10         25V           C8         QER40JM-107         E CAP         100         6.3V           C9         NCF21EZ-104         C CAP         0.10         25V           C10         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C11         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C12         NCT03CH-180         C CAP         18P         50V           C13         NCT03CH-180         C CAP         100         10V           C14         QETA1AM-107         E CAP         100         10V           C15         NCF21EZ-104         C CAP         0.10         25V           C16         NCF21EZ-104         C CAP         0.10         25V           C17         NCF21EZ-104         C CAP         0.10         25V           C18         NCF21EZ-104         C CAP         0.10         25V           C20         NCT03CH-330         C CAP         0.10         25V	1			
C6         NCF21EZ-104         C CAP         0.10         25V           C7         NCF21EZ-104         C CAP         0.10         25V           C8         QER40JM-107         E CAP         100         6.3V           C9         NCF21EZ-104         C CAP         0.10         25V           C10         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C11         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C12         NCT03CH-560         CER.CAPACITOR-M         56P         50V           C13         NCT03CH-180         C CAP         18P         50V           C14         QETA1AM-107         E CAP         100         10V           C15         NCF21EZ-104         C CAP         0.10         25V           C16         NCF21EZ-104         C CAP         0.10         25V           C17         NCF21EZ-104         C CAP         0.10         25V           C18         NCF21EZ-104         C CAP         0.10         25V           C19         NCF21EZ-104         C CAP         0.10         25V           C20         NCF21EZ-104         C CAP         0.10         25V <td>t</td> <td>- '</td> <td>The state of the s</td> <td>1</td>	t	- '	The state of the s	1
C7         NCF21EZ-104         C CAP         0.10         25V           C8         QER40JM-107         E CAP         100         6.3V           C9         NCF21EZ-104         C CAP         0.10         25V           C10         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C11         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C12         NCT03CH-560         CER.CAPACITOR-M         56P         50V           C13         NCT03CH-180         C CAP         18P         50V           C14         QETA1AM-107         E CAP         100         10V           C15         NCF21EZ-104         C CAP         0.10         25V           C16         NCF21EZ-104         C CAP         0.10         25V           C17         NCF21EZ-104         C CAP         0.10         25V           C18         NCF21EZ-104         C CAP         0.10         25V           C19         NCF21EZ-104         C CAP         0.10         25V           C20         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C21         NCF21EZ-104         C CAP         0.10         25V <td>1</td> <td></td> <td></td> <td>1</td>	1			1
C8         QER40JM-107         E CAP         100         6.3V           C9         NCF21EZ-104         C CAP         0.10         25V           C10         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C11         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C12         NCT03CH-560         CER.CAPACITOR-M         56P         50V           C13         NCT03CH-180         C CAP         18P         50V           C14         QETATAM-107         E CAP         100         10V           C15         NCF21EZ-104         C CAP         0.10         25V           C16         NCF21EZ-104         C CAP         0.10         25V           C17         NCF21EZ-104         C CAP         0.10         25V           C18         NCF21EZ-104         C CAP         0.10         25V           C19         NCF21EZ-104         C CAP         0.10         25V           C19         NCF21EZ-104         C CAP         0.10         25V           C20         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C21         NCF21EZ-104         C CAP         0.10         25V <td>t .</td> <td></td> <td></td> <td></td>	t .			
C9         NCF21EZ-104         C CAP         0.10         25V           C10         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C11         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C12         NCT03CH-560         CER.CAPACITOR-M         56P         50V           C13         NCT03CH-180         C CAP         18P         50V           C14         QETA1AM-107         E CAP         100         10V           C15         NCF21EZ-104         C CAP         0.10         25V           C16         NCF21EZ-104         C CAP         0.10         25V           C17         NCF21EZ-104         C CAP         0.10         25V           C18         NCF21EZ-104         C CAP         0.10         25V           C19         NCF21EZ-104         C CAP         0.10         25V           C19         NCF21EZ-104         C CAP         0.10         25V           C20         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C21         NCF21EZ-104         C CAP         0.10         25V           C24         NCF21EZ-104         C CAP         0.10         25V </td <td>1</td> <td>1</td> <td>1</td> <td>l ·</td>	1	1	1	l ·
C10         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C11         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C12         NCT03CH-560         CER.CAPACITOR-M         56P         50V           C13         NCT03CH-180         C CAP         18P         50V           C14         QETA1AM-107         E CAP         100         10V           C15         NCF21EZ-104         C CAP         0.10         25V           C16         NCF21EZ-104         C CAP         0.10         25V           C17         NCF21EZ-104         C CAP         0.10         25V           C18         NCF21EZ-104         C CAP         0.10         25V           C19         NCF21EZ-104         C CAP         0.10         25V           C19         NCF21EZ-104         C CAP         0.10         25V           C20         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C21         NCF21EZ-104         C CAP         0.10         25V           C22         NCF21EZ-104         C CAP         0.10         25V           C23         NCF21EZ-104         C CAP         0.10         25V<	l			
C12         NCT03CH-560         CER.CAPACITOR-M         56P         50V           C13         NCT03CH-180         C CAP         18P         50V           C14         QETA1AM-107         E CAP         100         10V           C15         NCF21EZ-104         C CAP         0.10         25V           C16         NCF21EZ-104         C CAP         0.10         25V           C17         NCF21EZ-104         C CAP         0.10         25V           C18         NCF21EZ-104         C CAP         0.10         25V           C19         NCF21EZ-104         C CAP         0.10         25V           C19         NCF21EZ-104         C CAP         0.10         25V           C20         NCT03CH-331         C CAP         0.10         25V           C21         NCF21EZ-104         C CAP         0.10         25V           C22         NCF21EZ-104         C CAP         0.10         25V           C23         NCF21EZ-104         C CAP         0.10         25V           C24         NCF21EZ-104         C CAP         0.10         25V           C25         NCF21EZ-104         C CAP         0.10         25V	i .		CER.CAPACITOR-M	· ·
C13	C11	NCT03CH-330	CER.CAPACITOR-M	33P 50V
C14         QETA1AM-107         E CAP         100         10V           C15         NCF21EZ-104         C CAP         0.10         25V           C16         NCF21EZ-104         C CAP         0.10         25V           C17         NCF21EZ-104         C CAP         0.10         25V           C18         NCF21EZ-104         C CAP         0.10         25V           C19         NCF21EZ-104         C CAP         0.10         25V           C20         NCT03CH-391         C CAP         390P         50V           C21         NCF21EZ-104         C CAP         0.10         25V           C22         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C23         NCF21EZ-104         C CAP         0.10         25V           C24         NCF21EZ-104         C CAP         0.10         25V           C25         NCF21EZ-104         C CAP         0.10         25V           C26         QER41CM-476         E CAP         47         16V           C27         NCF21EZ-104         C CAP         0.10         25V           C28         NCF21EZ-104         C CAP         0.10         25V	C12	NCT03CH-560	CER.CAPACITOR~M	56P 50V
C15         NCF21EZ-104         C CAP         0.10         25V           C16         NCF21EZ-104         C CAP         0.10         25V           C17         NCF21EZ-104         C CAP         0.10         25V           C18         NCF21EZ-104         C CAP         0.10         25V           C19         NCF21EZ-104         C CAP         0.10         25V           C20         NCT03CH-391         C CAP         390P         50V           C21         NCF21EZ-104         C CAP         0.10         25V           C22         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C23         NCF21EZ-104         C CAP         0.10         25V           C24         NCF21EZ-104         C CAP         0.10         25V           C25         NCF21EZ-104         C CAP         0.10         25V           C26         QER41CM-476         E CAP         47         16V           C27         NCF21EZ-104         C CAP         0.10         25V           C28         NCF21EZ-104         C CAP         0.10         25V           C30         NCF21EZ-104         C CAP         0.10         25V	C13	NCT03CH-180	C CAP	18P 50V
C16         NCF21EZ-104         C CAP         0.10         25V           C17         NCF21EZ-104         C CAP         0.10         25V           C18         NCF21EZ-104         C CAP         0.10         25V           C19         NCF21EZ-104         C CAP         0.10         25V           C20         NCT03CH-391         C CAP         390P         50V           C21         NCF21EZ-104         C CAP         0.10         25V           C22         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C23         NCF21EZ-104         C CAP         0.10         25V           C24         NCF21EZ-104         C CAP         0.10         25V           C25         NCF21EZ-104         C CAP         0.10         25V           C26         QER41CM-476         E CAP         47         16V           C27         NCF21EZ-104         C CAP         0.10         25V           C28         NCF21EZ-104         C CAP         0.10         25V           C29         NCF21EZ-104         C CAP         0.10         25V           C30         NCF21EZ-104         C CAP         0.10         25V	C14	QETA1AM-107	E CAP	100 10V
C17 NCF21EZ-104 C CAP 0.10 25V C18 NCF21EZ-104 C CAP 0.10 25V C19 NCF21EZ-104 C CAP 0.10 25V C20 NCT03CH-391 C CAP 0.10 25V C21 NCF21EZ-104 C CAP 0.10 25V C22 NCT03CH-330 CER.CAPACITOR-M 33P 50V C23 NCF21EZ-104 C CAP 0.10 25V C24 NCF21EZ-104 C CAP 0.10 25V C25 NCF21EZ-104 C CAP 0.10 25V C26 QER41CM-476 E CAP 0.10 25V C27 NCF21EZ-104 C CAP 0.10 25V C28 NCF21EZ-104 C CAP 0.10 25V C29 NCF21EZ-104 C CAP 0.10 25V C30 NCF21EZ-104 C CAP 0.10 25V C31 NCF21EZ-104 C CAP 0.10 25V C30 NCF21EZ-104 C CAP 0.10 25V C31 NCF21EZ-104 C CAP 0.10 25V C32 NCF21EZ-104 C CAP 0.10 25V C33 NCF21EZ-104 C CAP 0.10 25V C31 NCF21EZ-104 C CAP 0.10 25V C31 NCF21EZ-104 C CAP 0.10 25V C32 NCF21EZ-104 C CAP 0.10 25V C33 NCF21EZ-104 C CAP 0.10 25V C34 NCF21EZ-104 C CAP 0.10 25V C35 QER41CM-476 E CAP 0.10 25V C36 NCF21EZ-104 C CAP 0.10 25V C37 NCF21EZ-104 C CAP 0.10 25V C38 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CAP 0.10 25V C40 NCF21EZ-104 C CAP 0.10 25V C41 NCT03CH-100 C CAP 0.10 25V C41 NCT03CH-100 C CAP 0.10 25V	C15	NCF21EZ-104		0.10 25V
C18         NCF21EZ-104         C CAP         0.10         25V           C19         NCF21EZ-104         C CAP         0.10         25V           C20         NCT03CH-391         C CAP         390P         50V           C21         NCF21EZ-104         C CAP         0.10         25V           C22         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C23         NCF21EZ-104         C CAP         0.10         25V           C24         NCF21EZ-104         C CAP         0.10         25V           C25         NCF21EZ-104         C CAP         0.10         25V           C26         QER41CM-476         E CAP         47         16V           C27         NCF21EZ-104         C CAP         0.10         25V           C28         NCF21EZ-104         C CAP         0.10         25V           C29         NCF21EZ-104         C CAP         0.10         25V           C30         NCF21EZ-104         C CAP         0.10         25V           C31         NCF21EZ-104         C CAP         0.10         25V           C32         NCF21EZ-104         C CAP         0.10         25V	C16	NCF21EZ-104	C CAP	0.10 25V
C19         NCF21EZ-104         C CAP         0.10         25V           C20         NCT03CH-391         C CAP         390P         50V           C21         NCF21EZ-104         C CAP         0.10         25V           C22         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C23         NCF21EZ-104         C CAP         0.10         25V           C24         NCF21EZ-104         C CAP         0.10         25V           C25         NCF21EZ-104         C CAP         0.10         25V           C26         QER41CM-476         E CAP         47         16V           C27         NCF21EZ-104         C CAP         0.10         25V           C28         NCF21EZ-104         C CAP         0.10         25V           C29         NCF21EZ-104         C CAP         0.10         25V           C30         NCF21EZ-104         C CAP         0.10         25V           C31         NCF21EZ-104         C CAP         0.10         25V           C32         NCF21EZ-104         C CAP         0.10         25V           C33         NCF21EZ-104         C CAP         0.10         25V	C17	NCF21EZ-104		0.10 25V
C20         NCT03CH-391         C CAP         390P         50V           C21         NCF21EZ-104         C CAP         0.10         25V           C22         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C23         NCF21EZ-104         C CAP         0.10         25V           C24         NCF21EZ-104         C CAP         0.10         25V           C25         NCF21EZ-104         C CAP         0.10         25V           C26         QER41CM-476         E CAP         47         16V           C27         NCF21EZ-104         C CAP         0.10         25V           C28         NCF21EZ-104         C CAP         0.10         25V           C29         NCF21EZ-104         C CAP         0.10         25V           C30         NCF21EZ-104         C CAP         0.10         25V           C31         NCF21EZ-104         C CAP         0.10         25V           C32         NCF21EZ-104         C CAP         0.10         25V           C33         NCF21EZ-104         C CAP         0.10         25V           C35         QER41CM-476         E CAP         47         16V	ť	1	1	}
C21         NCF21EZ-104         C CAP         0.10         25V           C22         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C23         NCF21EZ-104         C CAP         0.10         25V           C24         NCF21EZ-104         C CAP         0.10         25V           C25         NCF21EZ-104         C CAP         0.10         25V           C26         QER41CM-476         E CAP         47         16V           C27         NCF21EZ-104         C CAP         0.10         25V           C28         NCF21EZ-104         C CAP         0.10         25V           C29         NCF21EZ-104         C CAP         0.10         25V           C30         NCF21EZ-104         C CAP         0.10         25V           C31         NCF21EZ-104         C CAP         0.10         25V           C32         NCF21EZ-104         C CAP         0.10         25V           C33         NCF21EZ-104         C CAP         0.10         25V           C34         NCF21EZ-104         C CAP         0.10         25V           C35         QER41CM-476         E CAP         47         16V				\$ :
C22         NCT03CH-330         CER.CAPACITOR-M         33P         50V           C23         NCF21EZ-104         C CAP         0.10         25V           C24         NCF21EZ-104         C CAP         0.10         25V           C25         NCF21EZ-104         C CAP         0.10         25V           C26         QER41CM-476         E CAP         47         16V           C27         NCF21EZ-104         C CAP         0.10         25V           C28         NCF21EZ-104         C CAP         0.10         25V           C29         NCF21EZ-104         C CAP         0.10         25V           C30         NCF21EZ-104         C CAP         0.10         25V           C31         NCF21EZ-104         C CAP         0.10         25V           C32         NCF21EZ-104         C CAP         0.10         25V           C34         NCF21EZ-104         C CAP         0.10         25V           C35         QER41CM-476         E CAP         47         16V           C36         NCF21EZ-104         C CAP         0.10         25V           C37         NCF21EZ-104         C CAP         0.10         25V		ł .	1	
C23         NCF21EZ-104         C CAP         0.10         25V           C24         NCF21EZ-104         C CAP         0.10         25V           C25         NCF21EZ-104         C CAP         0.10         25V           C26         QER41CM-476         E CAP         47         16V           C27         NCF21EZ-104         C CAP         0.10         25V           C28         NCF21EZ-104         C CAP         0.10         25V           C29         NCF21EZ-104         C CAP         0.10         25V           C30         NCF21EZ-104         C CAP         0.10         25V           C31         NCF21EZ-104         C CAP         0.10         25V           C32         NCF21EZ-104         C CAP         0.10         25V           C34         NCF21EZ-104         C CAP         0.10         25V           C35         QER41CM-476         E CAP         47         16V           C36         NCF21EZ-104         C CAP         0.10         25V           C37         NCF21EZ-104         C CAP         0.10         25V           C38         NCF21EZ-104         C CAP         0.10         25V           C3	C21	NCF21EZ-104	C CAP	0.10 25V
C24         NCF21EZ-104         C CAP         0.10         25V           C25         NCF21EZ-104         C CAP         0.10         25V           C26         QER41CM-476         E CAP         47         16V           C27         NCF21EZ-104         C CAP         0.10         25V           C28         NCF21EZ-104         C CAP         0.10         25V           C29         NCF21EZ-104         C CAP         0.10         25V           C30         NCF21EZ-104         C CAP         0.10         25V           C31         NCF21EZ-104         C CAP         0.10         25V           C31         NCF21EZ-104         C CAP         0.10         25V           C32         NCF21EZ-104         C CAP         0.10         25V           C34         NCF21EZ-104         C CAP         0.10         25V           C35         QER41CM-476         E CAP         47         16V           C36         NCF21EZ-104         C CAP         0.10         25V           C37         NCF21EZ-104         C CAP         0.10         25V           C38         NCF21EZ-104         C CAP         0.10         25V           C3	C22	NCT03CH-330		33P 50V
C25         NCF21EZ-104         C CAP         0.10         25V           C26         QER41CM-476         E CAP         47         16V           C27         NCF21EZ-104         C CAP         0.10         25V           C28         NCF21EZ-104         C CAP         0.10         25V           C29         NCF21EZ-104         C CAP         0.10         25V           C30         NCF21EZ-104         C CAP         0.10         25V           C31         NCF21EZ-104         C CAP         0.10         25V           C32         NCF21EZ-104         C CAP         0.10         25V           C34         NCF21EZ-104         C CAP         0.10         25V           C35         QER41CM-476         E CAP         47         16V           C36         NCF21EZ-104         C CAP         0.10         25V           C37         NCF21EZ-104         C CAP         0.10         25V           C38         NCF21EZ-104         C CAP         0.10         25V           C39         NCF21EZ-104         C CAP         0.10         25V           C39         NCF21EZ-104         C CAP         0.10         25V           C4	i .		i	
C26         QER41CM-476         E CAP         47         16V           C27         NCF21EZ-104         C CAP         0.10         25V           C28         NCF21EZ-104         C CAP         0.10         25V           C29         NCF21EZ-104         C CAP         0.10         25V           C30         NCF21EZ-104         C CAP         0.10         25V           C31         NCF21EZ-104         C CAP         0.10         25V           C32         NCF21EZ-104         C CAP         0.10         25V           C34         NCF21EZ-104         C CAP         0.10         25V           C35         QER41CM-476         E CAP         47         16V           C36         NCF21EZ-104         C CAP         0.10         25V           C37         NCF21EZ-104         C CAP         0.10         25V           C38         NCF21EZ-104         C CAP         0.10         25V           C39         NCF21EZ-104         C CAP         0.10         25V           C39         NCF21EZ-104         C CAP         0.10         25V           C40         NCF21EZ-104         C CAP         0.10         25V           C4		1		
C27         NCF21EZ-104         C CAP         0.10         25V           C28         NCF21EZ-104         C CAP         0.10         25V           C29         NCF21EZ-104         C CAP         0.10         25V           C30         NCF21EZ-104         C CAP         0.10         25V           C31         NCF21EZ-104         C CAP         0.10         25V           C32         NCF21EZ-104         C CAP         0.10         25V           C34         NCF21EZ-104         C CAP         0.10         25V           C35         QER41CM-476         E CAP         47         16V           C36         NCF21EZ-104         C CAP         0.10         25V           C37         NCF21EZ-104         C CAP         0.10         25V           C38         NCF21EZ-104         C CAP         0.10         25V           C39         NCF21EZ-104         C CAP         0.10         25V           C40         NCF21EZ-104         C CAP         0.10         25V           C41         NCT03CH-100         C CAP         0.10         25V		1		
C28         NCF21EZ-104         C CAP         0.10         25V           C29         NCF21EZ-104         C CAP         0.10         25V           C30         NCF21EZ-104         C CAP         0.10         25V           C31         NCF21EZ-104         C CAP         0.10         25V           C32         NCF21EZ-104         C CAP         0.10         25V           C34         NCF21EZ-104         C CAP         0.10         25V           C35         QER41CM-476         E CAP         47         16V           C36         NCF21EZ-104         C CAP         0.10         25V           C37         NCF21EZ-104         C CAP         0.10         25V           C38         NCF21EZ-104         C CAP         0.10         25V           C39         NCF21EZ-104         C CAP         0.10         25V           C40         NCF21EZ-104         C CAP         0.10         25V           C40         NCF21EZ-104         C CAP         0.10         25V           C41         NCT03CH-100         C CAP         0.10         25V		1	J	]
C29         NCF21EZ-104         C CAP         0.10         25V           C30         NCF21EZ-104         C CAP         0.10         25V           C31         NCF21EZ-104         C CAP         0.10         25V           C32         NCF21EZ-104         C CAP         0.10         25V           C34         NCF21EZ-104         C CAP         0.10         25V           C35         QER41CM-476         E CAP         47         16V           C36         NCF21EZ-104         C CAP         0.10         25V           C37         NCF21EZ-104         C CAP         0.10         25V           C38         NCF21EZ-104         C CAP         0.10         25V           C39         NCF21EZ-104         C CAP         0.10         25V           C40         NCF21EZ-104         C CAP         0.10         25V           C40         NCF21EZ-104         C CAP         0.10         25V           C41         NCT03CH-100         C CAP         0.10         25V	l			;
C30 NCF21EZ-104 C CAP 0.10 25V C31 NCF21EZ-104 C CAP 0.10 25V  C32 NCF21EZ-104 C CAP 0.10 25V C34 NCF21EZ-104 C CAP 0.10 25V C35 QER41CM-476 E CAP 47 16V C36 NCF21EZ-104 C CAP 0.10 25V C37 NCF21EZ-104 C CAP 0.10 25V C38 NCF21EZ-104 C CAP 0.10 25V C38 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CAP 0.10 25V C40 NCF21EZ-104 C CAP 0.10 25V C40 NCF21EZ-104 C CAP 0.10 25V C40 NCF21EZ-104 C CAP 0.10 25V C41 NCT03CH-100 C CAP 10P 50V	1			1
C31 NCF21EZ-104 C CAP 0.10 25V  C32 NCF21EZ-104 C CAP 0.10 25V  C34 NCF21EZ-104 C CAP 0.10 25V  C35 QER41CM-476 E CAP 47 16V  C36 NCF21EZ-104 C CAP 0.10 25V  C37 NCF21EZ-104 C CAP 0.10 25V  C38 NCF21EZ-104 C CAP 0.10 25V  C38 NCF21EZ-104 C CAP 0.10 25V  C39 NCF21EZ-104 C CAP 0.10 25V  C39 NCF21EZ-104 C CAP 0.10 25V  C40 NCF21EZ-104 C CAP 0.10 25V  C40 NCF21EZ-104 C CAP 0.10 25V  C41 NCT03CH-100 C CAP 0.10 25V  C41 NCT03CH-100 C CAP 10P 50V	!			
C32 NCF21EZ-104 C CAP 0.10 25V C34 NCF21EZ-104 C CAP 0.10 25V C35 QER41CM-476 E CAP 47 16V C36 NCF21EZ-104 C CAP 0.10 25V C37 NCF21EZ-104 C CAP 0.10 25V C38 NCF21EZ-104 C CAP 0.10 25V C38 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CAP 0.10 25V C40 NCF21EZ-104 C CAP 0.10 25V C40 NCF21EZ-104 C CAP 0.10 25V C41 NCT03CH-100 C CAP 10P 50V	1			· .
C34 NCF21EZ-104 C CAP 0.10 25V C35 QER41CM-476 E CAP 47 16V C36 NCF21EZ-104 C CAP 0.10 25V C37 NCF21EZ-104 C CAP 0.10 25V C38 NCF21EZ-104 C CAP 0.10 25V C39 NCF21EZ-104 C CAP 0.10 25V C40 NCF21EZ-104 C CAP 0.10 25V C40 NCF21EZ-104 C CAP 0.10 25V C41 NCT03CH-100 C CAP 10P 50V	C31	NCF21EZ-104	IC CAP	0.10 25V
C35         QER41CM-476         E CAP         47         16V           C36         NCF21EZ-104         C CAP         0.10         25V           C37         NCF21EZ-104         C CAP         0.10         25V           C38         NCF21EZ-104         C CAP         0.10         25V           C39         NCF21EZ-104         C CAP         0.10         25V           C40         NCF21EZ-104         C CAP         0.10         25V           C41         NCT03CH-100         C CAP         10P         50V			1 11	
C36         NCF21EZ-104         C CAP         0.10         25V           C37         NCF21EZ-104         C CAP         0.10         25V           C38         NCF21EZ-104         C CAP         0.10         25V           C39         NCF21EZ-104         C CAP         0.10         25V           C40         NCF21EZ-104         C CAP         0.10         25V           C41         NCT03CH-100         C CAP         10P         50V				
C37         NCF21EZ-104         C CAP         0.10         25V           C38         NCF21EZ-104         C CAP         0.10         25V           C39         NCF21EZ-104         C CAP         0.10         25V           C40         NCF21EZ-104         C CAP         0.10         25V           C41         NCT03CH-100         C CAP         10P         50V			· ·	
C38         NCF21EZ-104         C CAP         0.10         25V           C39         NCF21EZ-104         C CAP         0.10         25V           C40         NCF21EZ-104         C CAP         0.10         25V           C41         NCT03CH-100         C CAP         10P         50V		· ·		
C39 NCF21EZ-104 C CAP 0.10 25V C40 NCF21EZ-104 C CAP 0.10 25V C41 NCT03CH-100 C CAP 10P 50V	ļ.			
C40 NCF21EZ-104 C CAP 0.10 25V C41 NCT03CH-100 C CAP 10P 50V				1
C41 NCT03CH-100 C CAP 10P 50V		)		
			ſ	i
072 NO100011 100 10 CAF 10F 50V			1	
	U42	NO 103011-100	O OMI	101 50 V

Symbol No.	Part No.	Part Name	Description
C43	NCF21EZ~104	C CAP	0.10 25V
C44	NCF21EZ-104	C CAP	0.10 25V
LC1	EXC-EMT102BT	LC FILTER	
LC2	EXC-EMT102BT	LC FILTER	
LC3	EXC-EMT102BT	LC FILTER	And the state of t
LC4 LC5	EXC-EMT102BT	LC FILTER	
LC6	EXC-EMT102BT	LC FILTER	
X1	SCV2168-001	CRYSTAL(18MHZ)	18MHz
S1	SCV1147-004	CONNECTOR	
S2	SCV1147-003	CONNECTOR	
S3	SCV1147-003	CONNECTOR	
CN2	SCV0501-001	CONNECTOR	30-PIN
	1		
TP1	SSV1600-001	TEST POINT	
TP2	SSV1600-001	TEST POINT	
TP3 TP4	SSV1600-001 SSV1600-001	TEST POINT	
11.4	33 1000 -001	TEST FORM	
C: 1	CCV1704 001		
FL1 FL2	SCV1794-001 SCV2248-001	L.P.F B.P.F.	
JK2	SCV2041~001	RF CONNECTOR	
JIVZ	30.72041.001	THE COMMECTOR	
T1	SCV1914-001	RE TRANS	CNANA OCC
11	3001914-001	INF INANS	CMM OSC
	CBM1 CBI	MC1114-6-00A CF	BC CBM
IC1	NJM4560MD	I.C.(M)	JRC
Q1	2SC2295(B.C)	TRANSISTOR	MATSUSHITA
Q2	2SC2295(B.C)	TRANSISTOR	MATSUSHITA
Q3 Q4	2SC2295(B.C) 2SC2295(B.C)	TRANSISTOR TRANSISTOR	MATSUSHITA   MATSUSHITA
Q5	2SK198(Q.R)	F.E.T.	MATSUSHITA
R1	NRVA02D-1802	M.F.RESISTOR	18K 1/10W
R2	NRVA02D-1002	M.F.RESISTOR	10K 1/10W
R3	NRVA02D-1001	M.F.RESISTOR	1.0K 1/10W
R4 R5	NRVA02D-10R0 NRVA02D-1001	M.F.RESISTOR M.F.RESISTOR	10 1/10W 1.0K 1/10W
R6	NRVA02D-2201	M.F.RESISTOR	1.0K 1/10W 2.2K 1/10W
R7	NRVA02D-10R0	M.F.RESISTOR	10 1/10W
R8	NRVA02D~10R0	M.F.RESISTOR	10 1/10W
R9 R10	NRVA02D-2201 NRVA02D-5601	M.F.RESISTOR M.F.RESISTOR	2.2K 1/10W 5.6K 1/10W
R11	NRVA02D-2201	M.F.RESISTOR	2.2K 1/10W

## 6.4 AUS board assembly list 14 ⟨SCK1113-3-00A⟩

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Symbol No.	Part No.	Part Name	Description
R12 R13 R14	NRVA02D-1002 NRVA02D-1004 NRVA02D-2201	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	10K 1/10W 1.0M 1/10W 2.2K 1/10W
C1 G2 C3 C4 C5 C6	NCF21EZ-104 NCF21EZ-104 NCF21EZ-104 NCT03CH-1R0 NCF21EZ-104 NEF11EM-475	C CAP C CAP C CAP C CAP C CAP T CAP	0.10 25V 0.10 25V 0.10 25V 1.0P 50V 0.10 25V 4.7 25V

Symbol No.	Part No.	Part Name	Description
IC1 IC2 IC3 IC4	CX23065A TA78L005AP TA78DS10BP TA7302P	I.C.(M) I.C(MONO-ANA) I.C.(M) I.C.(M)	SONY TOSHIBA TOSHIBA TOSHIBA
Q1 Q2 Q3	2SC2295(B.C) 2SC2295(B.C) 2SC2295(B.C)	TRANSISTOR TRANSISTOR TRANSISTOR	MATSUSHITA MATSUSHITA MATSUSHITA
D1 D2 D3 D4 D5 D6	MA153 SVC321SP ERA15-02 ERA15-02 MA165 1SS165 MA165	DIODE VARI.CAP.DIODE SI DIODE SI DIODE DIODE DIODE SI.DIODE DIODE	MATSUSHITA SANYO KYODO DENKI KYODO DENKI MATSUSHITA HITACHI MATSUSHITA
R1 R2 R3 R4 R5 R6 R7 R8 R9	NRVA02D-3300 NRVA02D-4702 NRVA02D-2201 NRVA02D-1001 NRVA02D-1002 NRVA02D-3902 NRVA02D-1502 NRVA02D-1003 NRVA02D-4702 NRVA02D-1502	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	330 1/10W 47K 1/10W 2.2K 1/10W 1.0K 1/10W 10K 1/10W 39K 1/10W 15K 1/10W 100K 1/10W 47K 1/10W 15K 1/10W
R11 R12 R13 R14 R15 R16 R17 R18 R19	NRVA02D-5601 NRVA02D-4701 NRVA02D-4701 NRVA02D-1002 NRVA02D-1001 NRVA02D-1001 NRVA02D-2201 NRVA02D-1501 NRVA02D-1501 NRVA02D-1003 NRVA02D-4700	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	5.6K 1/10W 4.7K 1/10W 4.7K 1/10W 10K 1/10W 1.0K 1/10W 2.2K 1/10W 1.5K 1/10W 1.0K 1/10W 470 1/10W
R21 R22 R23 R24 R25	NRVA02D-1003 NRVA02D-1002 NRVA02D-3302 NRVA02D-3302 NRVA02D-4701	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	100K 1/10W 10K 1/10W 33K 1/10W 33K 1/10W 4.7K 1/10W
VR1 VR2 VR3 VR4	QVPB609-503 QVPB609-502 QVPB609-502 QVPB609-202	VR VR VR VR	50K LEVEL ADJ 5K MOD 5K CARRIER LEV 2K AGC LEVEL
C1 C2 C3 C4 C5 C6 C7 C8 C9	QEPA1CM-106 NCT03CH-391 QEJ41CM-106 QER40JM-107 QEJ41CM-106 QEPA1CM-106 NCB21HK-103 QER41CM-476 QER41CM-476 NCF21EZ-104	NP E.CAPACITOR C CAP T CAP E CAP T CAP NP E.CAPACITOR CER.CAPACITOR—M E CAP E CAP C CAP	10 16V 390P 50V 10 16V 100 6.3V 10 16V 10 16V 0.010 50V 47 16V 47 16V 0.10 25V

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Symbol No.	Part No.	Part Name	Description
C11	QEPA1CM-106	NP E.CAPACITOR	10 * 16V
C12	NCF21EZ-104	C CAP	0.10 25V
C13	QER41CM-106	E CAP	10 16V
C14	NCF21EZ-104	C CAP	0.10 25V
C15	QER41CM-476	E CAP	47 16V
C16	NCF21EZ-104	C CAP	0.10 25V
C17	QER41CM-106-	E CAP -	10 16V-
C18	QER41CM-476	E CAP	47 16V
C19	QER41CM-106	E CAP	10 16V
C20	NCF21EZ-104	C CAP	0.10 25V
020	INCIZIEZ 107	O OAT	5.10
C21	QER41CM-476	E CAP	47 16V
C22	QER41CM-106	E CAP	10 16V
	QER41CM-476	E CAP	47 16V
C23		E CAP	47 16V
C24	QER41CM-476	C CAP	0.10 25V
C25	NCF21EZ-104	C CAP	0.10 25V
C26	NCF21EZ-104		
C27	QER41CM-476	E CAP	47 16V
C28	NCF21EZ-104	C CAP	0.10 25V
C29	QEJ41VM-105	T CAP	1.0 35V
C30	QEPA1HM-105	E ĜAP	1.0 50V
	0504401: 400	E CAD	10 10
C31	QER41CM-106	E CAP	10 16V
C32	QEPA1HM-105	E CAP	1.0 50V
C33	QER41CM-106	E CAP	10 16V
C34	NCF21EZ-104	C CAP	0.10 25V
C35	QER41CM-106	E CAP	10 16V
C36	NCF21EZ-104	C CAP	0.10 25V
C37	QER41CM-476	E CAP	47 16V
L1	SCV0331-821	PEAKING COIL	820µH
L2	SCV1915-066	COIL	FM ADJ
			'
LC1	EXC-EMT102BT	LC FILTER	
LC2	EXC-EMT102BT	LC FILTER	i
LC3	EXC-EMT102BT	LC FILTER	
			,
ŀ		ODVOTAL.	0.07001411-
X1	SCV1873-032	CRYSTAL	3.2768MHz
X2	SCV2052-001	CRYSTAL(4.08M)	4.08MHz
١	00044447 000	CONNECTOR	
S1	SCV1147~003	CONNECTOR	
S2	SCV1147-003	CONNECTOR	
			,
CNIS	SCV0501-001	CONNECTOR	30-PIN
CN3	30 70 30 1 -00 1	CONNECTOR	
TP1	SSV1600-001	TEST POINT	
TP2	SSV1600-001	TEST POINT	
TP3	SSV1600-001	TEST POINT	
TP4	SSV1600-001	TEST POINT	
TP5	SCV1880-001	TEST POINT	
1175	30 1000-001	LEGI TONNI	
FL1	SCV2045-001	BFP(819MHZ)	
FL2	SCV2055-001	BFP(390KHZ)	1 200
	30 7 2000 . 00 1		
ЈК3	SCV2041-001	RF CONNECTOR	
31.3	33,2341 301		
L	J	<u> </u>	<u> </u>

Symbol No.	Part No.	Part Name	Descrip	tion
	COMM COM	IC1114-4-00A FM/	CC CPM	
	CDIVIT CDIV	 	AGC CON	
IC1 IC2	NJM4560MD NJM4560MD	I.C.(M) I.C.(M)	JRC JRC	
Q1 Q2 Q3	2SC2295(B.C) 2SC2295(B.C) 2SC2295(B.C)	TRANSISTOR TRANSISTOR TRANSISTOR	MATSUSHITA MATSUSHITA MATSUSHITA	
R1 R2 R3 R4 R5 R6 R7 R8 R9 R10	NRVA02D-4702 NRVA02D-4701 NRVA02D-2201 NRVA02D-2702 NRVA02D-3901 NRVA02D-47R0 NRVA02D-8200 NRVA02D-1003 NRVA02D-1003 NRVA02D-1002 NRVA02D-1002	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	47K 4.7K 2.2K 27K 3.9K 47 820 100K 390K 10K	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
C1 C2 C3 C4 C5	NCF21EZ-104 NCF21EZ-104 NCF21EZ-104 NCT03CH-152 NCT03CH-471	C CAP C CAP C CAP C CAP C CAP	0.10 0.10 0.10 1500P 470P	25V 25V 25V 50V 50V
	CBM2 CBM	  C1114-9-00A FMN	NOD CBM	
IC1 IC2	NJU6321PE TC7S00F	I.C.(M) I.C.(DIGI-MOS)	JRC TOSHIBA	
Q1 Q2	2SC2295(B.C) 2SA1022(B.C)	TRANSISTOR TRANSISTOR	MATSUSHITA MATSUSHITA	
R1 R2 R3 R4 R5 R6 R7 R8	NRVA02D-15R0 NRVA02D-4700 NRVA02D-4702 NRVA02D-4702 NRVA02D-1501 NRVA02D-6801 NRVA02D-4702 NRVA02D-1002 NRVA02D-1201	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	15 470 47K 47K 1.5K 6.8K 47K 10K 1.2K	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
C1 C2 C3 C4 C5 C6 C7	NCB21HK-103 NCB21HK-103 NCB21HK-103 NCF21EZ-104 NCF21EZ-104 NCF21EZ-104 NCT03CH-390 NCT03CH-390	CER.CAPACITOR-M CER.CAPACITOR-M CER.CAPACITOR-M C CAP C CAP C CAP C CAP C CAP C CAP C CAP	0.010 0.010 0.010 0.10 0.10 0.10 0.10 39P 39P	50V 50V 50V 25V 25V 25V 50V

Symbol No.	Part No.	Part Name	Description		
	COME COM	/IC1114-A-00A SI	NE CRM		
:	CBIVIS CBIV				
IC1 IC2	NJU6321PE NJM4560MD	I.C.(M) I.C.(M)	JRC JRC		
R1 R2 R3 R4 R5	NRVA02D-4702 NRVA02D-3302 NRVA02D-1002 NRVA02D-1002 NRVA02D-8201	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	47K 33K 10K 10K 8.2K	1/10W 1/10W 1/10W 1/10W 1/10W	
C1 C2 C3 C4 C5 C6 C7 C8	NCF21EZ-104 NCT03CH-330 NCT03CH-330 NCF21EZ-104 NCT03CH-152 NCT03CH-152 NCT03CH-152 NCF21EZ-104	C CAP CER.CAPACITOR-M CER.CAPACITOR-M C CAP C CAP C CAP C CAP C CAP C CAP C CAP	0.10 33P 0.10 1500P 1500P 0.10	25V 50V 50V 25V 50V 50V 50V 25V	
	CBM6 CBMC1114-8-00A SIDAM CBM				
IC1 IC2	RC78L05UA NJM1496M	I.C(MONO-ANA) I.C.(M)	RAYTHEON JRC		
R1 R2 R3 R4 R5 R6 R7	NRVA02D-8201 NRVA02D-1002 NRVA02D-1002 NRVA02D-2201 NRVA02D-2201 NRVA02D-8201 NRVA02D-3901 NRVA02D-3901	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	8.2K 10K 10K 2.2K 2.2K 8.2K 3.9K 3.9K	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	
C1 C2 C3 C4 C5	NCF21EZ-104 NCF21EZ-104 NCF21EZ-104 NCF21EZ-104 NCF21EZ-104	C CAP C CAP C CAP C CAP C CAP	0.10 0.10 0.10 0.10 0.10	25V 25V 25V 25V 25V	
k	СВМ7 СВІ		BU CBM		
Q1 -Q2	2SC2295(B.C)	TRANSISTOR TRANSISTOR	MATSUSHITA MATSUSHITA		
R1 R2 R3 R4 R5 R6 R7	NRVA02D-1002 NRVA02D-823 NRVA02D-2202 NRVA02D-1002 NRVA02D-1202 NRVA02D-1501 NRVA02D-1501	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	10K 82K 22K 10K 12K 1.5K	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W 1/10W	

Symbol No.	Part No.	, Part Name	Description
R8 R9	NRVA02D-1501 NRVA02D-1001	M.F.RESISTOR M.F.RESISTOR	1.5K 1/10W 1.0K 1/10W
C1 C2 C3 C4 C5 C6 C7 C8 C9	NCF21EZ-104 NCF21EZ-104 NCF21EZ-104 NCT03CH-331 NCT03CH-180 NCT03CH-471 NCT03CH-470 NCT03CH-331 NCT03CH-180	C CAP C CAP C CAP C CAP C CAP C CAP C CAP C CAP C CAP C CAP C CAP	0.10 25V 0.10 25V 0.10 25V 330P 50V 18P 50V 470P 50V 47P 50V 330P 50V 18P 50V
L1 L2	SCV1950-561Z SCV1950-561Z	PEAKING COIL PEAKING COIL	560μΗ 560μΗ
	СВМ8 СВМ	  C1114-C-00A LFN 	IIX CBM
Q1 Q2 Q3 Q4 Q5	2SC2295(B.C) 2SC2295(B.C) 2SA1022(B.C) 2SC2295(B.C) 2SA1022(B.C)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA
R1 R2 R3 R4 R5 R6 R7 R8 R9	NRVA02D-1001 NRVA02D-1001 NRVA02D-1001 NRVA02D-1001 NRVA02D-2001 NRVA02D-8200 NRVA02D-10R0 NRVA02D-1001 NRVA02D-1001 NRVA02D-2200 NRVA02D-10R0	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	1.0K 1/10W 1.0K 1/10W 1.0K 1/10W 1.0K 1/10W 2.2K 1/10W 820 1/10W 10 1/10W 1.0K 1/10W 220 1/10W
R11 R12 R13	NRSA02J-4R7 NRSA02J-4R7 NRVA02D-75R0	MGR MGR M.F.RESISTOR	4.7 1/10W 4.7 1/10W 75 1/10W
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10	NCF21EZ-104 NCF21EZ-104 NCF21EZ-104 NCF21EZ-104 NCF21EZ-104 NCF21EZ-104 NCF21EZ-104 NCF21EZ-104 NCF21EZ-104 NCF21EZ-104	C CAP C CAP C CAP C CAP C CAP C CAP C CAP C CAP C CAP C CAP C CAP C CAP	0.10 25V 0.10 25V
	СВМЭ СВМ	/IC1114-E-00A SID	RF CBM
Q1	3SK222	F.E.T	NEC

## 6.5 INP board assembly list 15 ⟨SCK1113-4-00A⟩

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Symbol No.	Part No.	Part Name	Description
R1	NRVA02D-2203	M.F.RESISTOR	220K 1/10W
R2	NRVA02D-6802	M.F.RESISTOR	68K 1/10W
R3	NRVA02D-2200	M.F.RESISTOR	220 1/10W
R4	NRVA02D-4700	M.F.RESISTOR	470 1/10W
R5	NRVA02D-4700	M.F.RESISTOR	470 1/10W
1.00			
C6	NCF21EZ-104	C CAP	0.10 25V
C7	NCF21EZ-104	C CAP	0.10 25V
C8	NCF21EZ-104	C CAP	0.10 25V
C9	NCF21EZ-104	C CAP	0.10 25V
	CBM10 CBI	 VIC1114-D-00A SIC	DDM CBM
IC1	NJM4560MD	I.C.(M)	JRC
Q1	2SA1022(B.C)	TRANSISTOR	MATSUSHITA
02	2SC2295(B.C)	TRANSISTOR	MATSUSHITA
Q3	2SA1022(B.C)	TRANSISTOR	MATSUSHITA
Q4	2SC2295(B.C)	TRANSISTOR	MATSUSHITA
R1	NRVA02D-2202	M.F.RESISTOR	22K 1/10W
R2	NRVA02D-2202	M.F.RESISTOR	22K 1/10W
R3	NRVA02D-2701	M.F.RESISTOR	2.7K 1/10W
R4	NRVA02D-2202	M.F.RESISTOR	22K 1/10W
R5	NRVA02D-5602	M.F.RESISTOR	56K 1/10W
R6	NRVA02D-1002	M.F.RESISTOR	10K 1/10W
R7	NRVA02D-2202	M.F.RESISTOR	22K 1/10W 2.7K 1/10W
R8	NRVA02D-2701	M.F.RESISTOR M.F.RESISTOR	2.7K 1/10W 22K 1/10W
R9	NRVA02D-2202 NRVA02D-3303	M.F.RESISTOR	330K 1/10W
R10	NHVAUZD-3303	WI.F.MESISTON	33010
C1	NCF21EZ-104	C CAP	0.10 25V
C1 C2	NCT03CH-221	C CAP	220P 50V
C3	NCF21EZ-104	C CAP	0.10 25V
C4	NCF21EZ-104	C CAP	0.10 25V
1 "	110.212.0		
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Symbol No.	Part No.	Part Name	Description
IC1 IC2 IC3 IC4 IC6 IC7 IC8 IC9 IC10	NJM4560MD NJU6321PE TA78L005AP NJM4560MD NJM4560MD DN819 NJM79L09A TC4W53F TA7357AP	1.C.(M) 1.C.(M) 1.C.(MONO-ANA) 1.C.(M) 1.C.(M) 1.C.(M) 1.C.(MONO-ANA) 1.C.(DIGI-MOS) 1.C.(MONO-ANA)	JRC JRC TOSHIBA JRC JRC MATSUSHITA JRC TOSHIBA TOSHIBA
Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12	2SC2295(B.C) 2SC2295(B.C) 2SC2295(B.C) 2SC2295(B.C) 2SC1509(R) 2SC1509(R) 3SK101(Y) 2SA1020(Y) 2SC2655(Y) DTC124EU	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR F.E.T. SI.TRANSISTOR SI.TRANSISTOR TRANSISTOR	MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA MATSUSHITA TOSHIBA TOSHIBA TOSHIBA ROHM
D2 D3 D4 D5 D6	MA153 HZM6CTL 1SS165 ERB81-004K ERB81-004K	DIODE ZENER DIODE SI.DIODE SI.DIODE SI.DIODE	MATSUSHITA HITACHI HITACHI FUJI ELECTRIC FUJI ELECTRIC
R3 R4 R6 R7 R8 R9 R10 R11 R12 R13	NRVA02D-1003 NRVA02D-4701 NRVA02D-2200 NRVA02D-8200 NRVA02D-2201 NRVA02D-3901 NRVA02D-4700 NRVA02D-8200 NRVA02D-1003 NRVA02D-2201	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	100K 1/10W 4.7K 1/10W 220 1/10W 820 1/10W 2.2K 1/10W 3.9K 1/10W 470 1/10W 820 1/10W 820 1/10W 100K 1/10W 2.2K 1/10W
R14 R15 R16 R17 R18 R19 R20 R21 R22 R23	NRVA02D-1002 NRVA02D-1002 NRVA02D-6801 NRVA02D-8201 NRVA02D-1001 NRVA02D-1001 NRVA02D-75R0 NRVA02D-3302 NRVA02D-4702 NRVA02D-1000	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	10K 1/10W 10K 1/10W 6.8K 1/10W 8.2K 1/10W 1.0K 1/10W 75 1/10W 33K 1/10W 47K 1/10W
R24 R25 R26 R27 R28 R29 R30 R31 R32 R33	NRVA02D-1000 NRVA02D-1000 NRVA02D-2201 NRVA02D-1001 NRVA02D-1001 NRVA02D-1001 NRVA02D-5601 NRVA02D-3302 NRVA02D-1002 NRVA02D-1003	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	100 1/10W 100 1/10W 2.2K 1/10W 1.0K 1/10W 1.0K 1/10W 1.0K 1/10W 5.6K 1/10W 33K 1/10W 10K 1/10W
R34 R35	NRVA02D-4700 NRVA02D-4700	M.F.RESISTOR M.F.RESISTOR	470 1/10W 470 1/10W

Symbol	Part No.	Part Name	Description
No.		AA E DECICTOR	100K 1/10W
R36	NRVA02D-1003	M.F.RESISTOR	1
R37	NRVA02D-1003	M.F.RESISTOR	100K 1/10W
R38	NRVA02D-1001	M.F.RESISTOR	1.0K 1/10W
R39	NRVA02D-5601	M.F.RESISTOR	5.6K 1/10W
R40	NRVA02D-22R0	M.F.RESISTOR	22 1/10W
R41	NRVA02D-1001	M.F.RESISTOR	1.0K 1/10W
R42	NRVA02D-3903	M.F.RESISTOR	390K 1/10W
R43	NRVA02D-1003	M.F.RESISTOR	100K 1/10W
R44	NRVA02D-4700	M.F.RESISTOR	470 1/10W
R45	NRVA02D-1001	M.F.RESISTOR	1.0K 1/10W
R46	NRVA02D-4701	M.F.RESISTOR	4.7K 1/10W
R47	NRVA02D-1001	M.F.RESISTOR	1.0K 1/10W
R48	NRVA02D-1203	M.F.RESISTOR	120K 1/10W
R49	NRVA02D-4703	M.F.RESISTOR	470K 1/10W
R50	NRVA02D-8202	M.F.RESISTOR	82K 1/10W
R51	NRVA02D-2200	M.F.RESISTOR	220 1/10W
R52	NRVA02D-2200	M.F.RESISTOR	220 1/10W
R53	NRVA02D-47R0	M.F.RESISTOR	47 1/10W
			FOX 100 1515
VR1	QVPB609~503	VR	50K AGC LEVEL
VR2	QVPB609-502	VR	5K CARRIER LEV
000	QER41CM-476	E CAP	47 16V
C2	OER41CM-476	E CAP	10 16V
C3		E CAP	10 16V
C5	QER41CM-106	E CAP	100 6.3V
C6	QER40JM-107		
C7	QEJ41CM-106	T CAP	
C8	QFN41HJ-152	MYLAR CAPACITOR	1500P 50V
C9	QFN41HJ-472	MYLAR CAPACITOR	4700P 50V
C10	NCT03CH-330	CER.CAPACITOR-M	33P 50V
C11	NCT03CH-330	CER.CAPACITORM	33P 50V
C12	QEPA1HM-105	E CAP	1.0 50V
C13	QER41CM-476	E CAP	47 16V
C14	NCF21EZ-104	C CAP	0.10 25V
C15	NCT03CH-471	C CAP	470P 50V
C17	NCT03CH-681	CER.CAPACITOR-M	680P 50V
C19	NCT03CH-471	C CAP	470P 50V
C21	QER41CM-476	E CAP	47 16V
C22	QER41CM-106	E CAP	10 16V
C23	NCF21EZ-104	C CAP	0.10 25V
C24	QETA1CM-272	E.CAPACITOR	220 16V
C25	NCF21EZ-104	C CAP	0.10 25V
C26	QER41CM-476	E CAP	47 16V
C27	NCF21EZ-104	C CAP	0.10 25V
C28	NCF21EZ~104	C CAP	0.10 25V
C29	NCF21EZ-104	C CAP	0.10 25V
C30	NCF21EZ-104	C CAP	0.10 25V
C31	NCF21EZ-104	C CAP	0.10 25V
C32	NCF21EZ-104	C CAP	0.10 25V
C33	NCF21EZ-104	C CAP	0.10 25V
C34	NCF21EZ-104	C CAP	0.10 25V
C35	QEJ41VM-105	T CAP	1.0 35V
C36	NCF21EZ-104	C CAP	0.10 25V
C37	NCF21EZ-104	C CAP	0.10 25V
C38	QEJ41CM-475	T CAP	4.7 16V
C39	NCT03CH-331	C CAP	330P 50V
C40	NCT03CH-331	C CAP	330P 50V
C41	NCF21EZ-104	C CAP	0.10 25V
C42	QER41CM-476	E CAP	47 16V
L		L	

Symbol	Part No.	Part Name	Descrip	tion
No.	Fait NO.	Fait Ivaille	Descrip	tion
C43	NCF21EZ-104	C CAP	0.10	25V
C44 C45	QER41CM-476 QEPA1CM-106	E CAP NP E.CAPACITOR	47 10	16V 16V
040	all Aroll 100	L.OAI AOITOII		101
C46	QER41CM-476	E CAP	47	16V
C47	QER41CM-476	E CAP	47	16V
C48	NCF21EZ-104	C CAP	0.10	25V
C49 C50	NCF21EZ-104 QEX41CM-156	C CAP E.CAPACITOR	0.10	25V 16V
C51	QEX41CM-156	E.CAPACITOR	15	16V
C52	QER41CM-476	E CAP	47	16V
C53	QEX41CM-156	E.CAPACITOR	15	16V
C54 C55	QER41CM-476 QER41CM-476	E CAP	47	16V 16V
C55	QEN41CWI-470	E CAP	47	100
C56	QEX41CM-156	E.CAPACITOR	15	16V
C57	QER41CM-476	E CAP	47	16V
C58	NCT03CH-102	C CAP	1000P	50V
C59 C60	QER41CM-106 NCF21EZ-104	E CAP C CAP	0.10	16V 25V
C61	NCT03CH-471	C CAP	470P	50V
C62	QER41CM-106	E CAP	10	16V
C63	QER41CM-476	E CAP	47	16V
C64	QER41CM-476	E CAP	47	16V
C65	QETA1CM-272	E.CAPACITOR	220	16V
L1	SCV0331-331	PEAKING COIL	330µH	•
L2	SCV0331-331	PEAKING COIL	330μH	
L3	SCV0331-101	PEAKING COIL	100μH	
L4	SCV0331-101	PEAKING COIL	100μΗ	
	-			
LC1	EXC-EMT102BT	LC FILTER		
LC2	EXC-EMT102BT	LC FILTER		
X1	SCV2053-001	CRYSTAL(4.64M)	4.64MHz	
CN4	SCV0501-001	CONNECTOR	30-PIN	
TD1	BOV1201 001	TECT DOINT	11/10	
TP1 TP2	SCV1201-001 SCV1201-001	TEST POINT	JAC JAC	
		252/222/4/25		
FL1	SCV2054-001	BFP(330KHZ)		
JK4	SCV2041-001	RF CONNECTOR		
	CBM1 CBM	C1114-F-00A AMN	NOD CBM	
IC1	NJM1496M	I.C.(M)	JRC	
01	2502205/0.01	TRANSICTOR	MATCHCHITA	
Q1	2SC2295(B.C)	TRANSISTOR	MATSUSHITA	:
R1	NRVA02D-2702	M.F.RESISTOR	27K	1/10W
R2	NRVA02D-2201	M.F.RESISTOR	2.2K	1/10W

## 6.6 ASP board assembly list 16 (SCK1111-1-00A)

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Symbol No.	Part No.	Part Name	Descript	tion
R3	NRVA02D-2:201	M.F.RESISTOR	2.2K	1/10W
R4	NRVA02D-1001	M.F.RESISTOR	1.0K	1/10W
	NRVA02D=1001	M.F.RESISTOR	1.0K	1/10W
R5		M.F.RESISTOR	1.0K	1/10W
R6	NRVA02D-1002		12K	1/10W
R7	NRVA02D-1 202	M.F.RESISTOR	2.2K	1/10W
R8	NRVA02D-2201	M.F.RESISTOR		
R9	NRVA02D-1.001	M.F.RESISTOR	1.0K	1/10W
R10	NRVA02D-6801	M.F.RESISTOR	6.8K	1/10W
R11	NRVA02D-1502	M.F.RESISTOR	15K	1/10W
R12	NRVA02D-1802	M.F.RESISTOR	18K	1/10W
n 12	NIIVA02D 1002	Military Color City	1011	
C1	NCF21EZ-104	C CAP	0.10	25V
C2	NCF21EZ-104	C CAP	0.10	25V
СЗ	NCF21EZ-104	C CAP	0.10	25V
C4	NCF21EZ-104	C CAP	0.10	25V
C5	NCF21EZ-104	C CAP	0.10	25V
	CPM2 CRM	C1114-H-00A AM	AGC CRM	<b></b>
	CDIVIZ CDIVI			
101	NJM2904M	I.C.(M)	JRC	
IC1	M2M12904M	1.0.(())	3110	
D1	MA153	DIODE	MATSUSHITA	
			*	
R1	NRVA02D-1001	M.F.RESISTOR	1.0K	1/10W
R2	NRVA02D-2203	M.F.RESISTOR	220K	1/10W
R3	NRVA02D-2202	M.F.RESISTOR	22K	1/10W
R4	NRVA02D-1002	M.F.RESISTOR	10K	1/10W
R5	NRVA02D-3301	M.F.RESISTOR	3.3K	1/10W
R6	NRVA02D-1003	M F.RESISTOR	100K	1/10W
R7	NRVA02D-2701	M.F.RESISTOR	2.7K	1/10W
01	NCE21E7 104	C CAP	0.10	25V
C1 C2	NCF21EZ-104 NCF21EZ-104	C CAP	0.10	25V 25V
C2	NCF21E2=104	COAL	0.10	251
				•
	СВМЗ СВМ	IC1114-G-00A DCI	OG CBM	
IC1	TC4011BF	I.C.(M)	TOSHIBA	
01	2002205/8 (1	TRANSISTOR	MATSUSHITA	
Ω1	2SC2295(B.C)	HIMNOIDION	MATOUSHITA	
	NDV4000 1000	M E DECICEOD	1004	1/10W
R1	NRVA02D-1003	M.F.RESISTOR	100K	
R2	NRVA02D-2202	M.F.RESISTOR	22K	1/10W
R3	NRVA02D~6801	M.F.RESISTOR	6.8K	1/10W
R4	NRVA02D-1502	M.F.RESISTOR	15K	1/10W
R5	NRVA02D-2701	M.F.RESISTOR	2.7K	1/10W
R6	NRVA02D-5601	M.F.RESISTOR	5.6K	1/10W
R7	NRVA02D-5601	M.F.RESISTOR	5.6K	1/10W
ı	NRVA02D-2701	M.F.RESISTOR	2.7K	1/10W
R8	INNVAUZD 2701	}		
l l	NAVAOZD Z701			
l l	NCF21EZ-104	C CAP	0.10	25V

Q1	Symbol No.	Part No.	Part Name	Description	
D2		2SC3311A(BS)	SI TRANSISTOR	MATSUSHITA	
D1					
D2				TOSHIBA	
D2					
D2	D1	H7536_21	ZENIER DIODE		
DIODE					
R1				MATSUSHITA	
R1				1	
R2	DH	112012002	ZENZII DIODE	111111111111111111111111111111111111111	
R2	R1	OBV141E-8200	M F RESISTOR	820	1/4\//
R3		i		ł	
R4		1			
R6         QRV141F-1003         M.F.RESISTOR         100K         1/4W           R6         QRV141F-1003         M.F.RESISTOR         100K         1/4W           R8         NRSA02J-151         M.F.RESISTOR         100K         1/4W           R8         NRSA02J-750         M.G.RESISTOR         150         1/10W           R10         NRSA02J-0R0         M.G.RESISTOR         0         1/10W           R13         NRSA02J-0R0         M.G.RESISTOR         0         1/10W           C1         SCV0058-104         MYLAR CAPACITOR         0.1         400V           C3         SCV0058-104         MYLAR CAPACITOR         0.1         400V           C4         QETA1HM-106         E CAP         10         50V           C5         QETA1HM-106         E CAP         10         50V           C6         OCZ0206-104         CER.CAPACITOR-S         0.10         50V           C9         NCT03CH-121         C CAP         220P         50V           C11         NCT03CH-821         C CAP         820P         50V           C12         NCT03CH-821         C CAP         1800P         50V           C15         NCT03CH-821         C CAP         <					
R6         QRV141F-1003         M.F.RESISTOR         100K         1/4W           R7         QRV141F-1003         M.F.RESISTOR         100K         1/4W           R8         NRSA02J-750         MGR         150         1/10W           R9         NRSA02J-760         MGR         75         1/10W           R10         NRSA02J-0R0         M.G.RESISTOR         0         1/10W           R13         NRSA02J-0R0         M.G.RESISTOR         0         1/10W           R13         NRSA02J-0R0         M.G.RESISTOR         0         1/10W           R13         NRSA02J-0R0         M.G.RESISTOR         0         1/10W           R14         NRSA02J-0R0         M.G.RESISTOR         0         1/10W           R15         NRSA02J-0R0         M.G.RESISTOR         0         1/10W           R16         Q.C.AP         M.G.RESISTOR         0         1/10W           R17         M.G.RESISTOR         0         1/10W           R16         Q.C.AP         MYLAR CAPACITOR         0.1         400V           C3         SCV0058-104         MYLAR CAPACITOR         0.1         400V           C4         QETA1HM-106         E CAP         10         50					
R7					
R8         NRSA02J-151         MGR         150         1/10W           R9         NRSA02J-760         MGR         75         1/10W           R10         NRSA02J-0R0         M.G.RESISTOR         0         1/10W           R13         NRSA02J-0R0         M.G.RESISTOR         0         1/10W           C1         SCV0058-104         MYLAR CAPACITOR         0.1         400V           C3         SCV0058-104         MYLAR CAPACITOR         0.1         400V           C4         QETA1HM-106         E CAP         10         50V           C6         GC20206-104         CER.CAPACITOR-S         0.10         50V           C6         MCT03CH-221         C CAP         220P         50V           C10         NCT03CH-821         C CAP         820P         50V           C11         NCT03CH-821         C CAP         390P         50V           C12         NCT03CH-931         C CAP         120P         50V           C13         NCT03CH-821         C CAP         120P         50V           C14         NCT03CH-821         C CAP         820P         50V           C15         NCT03CH-821         C CAP         820P         50V				l .	
R9         NRSA02J−750 NRSA02J−0R0         MGR M.G.RESISTOR         75         1/10W           R13         NRSA02J−0R0         M.G.RESISTOR         0         1/10W           R13         NRSA02J−0R0         M.G.RESISTOR         0         1/10W           C1         SCV0058−104 QETA1HM−106 				150	1/10W
R10         NRSA02J-ORO         M.G.RESISTOR         0         1/10W           R13         NRSA02J-ORO         M.G.RESISTOR         0         1/10W           C1         SCV0058-104         MYLAR CAPACITOR         0.1         400V           C3         SCV0058-104         MYLAR CAPACITOR         0.1         400V           C4         QETA1HM-106         E CAP         10         50V           C5         QETA1HM-106         E CAP         10         50V           C6         QCZ0206-104         CER.CAPACITOR-S         0.10         0.10           C9         NCT03CH-221         C CAP         220P         50V           C10         NCT03CH-821         C CAP         820P         50V           C11         NCT03CH-821         C CAP         820P         50V           C12         NCT03CH-821         C CAP         1800P         50V           C13         NCT03CH-821         C CAP         1800P         50V           C14         NCT03CH-821         C CAP         1800P         50V           C15         NCT03CH-821         C CAP         820P         50V           C16         NCT03CH-821         C CAP         820P         50		1		i	1/10W
C1 SCV0058-104 MYLAR CAPACITOR 0.1 400V C3 SCV0058-104 MYLAR CAPACITOR 0.1 400V C4 QETA1HM-106 E CAP 10 50V C5 QETA1HM-106 E CAP 10 50V C6 QCZ0206-104 CER.CAPACITOR-S 0.10 C9 NCT03CH-221 C CAP 220P 50V C11 NCT03CH-821 C CAP 820P 50V C12 NCT03CH-831 CER.CAPACITOR-M 680P 50V C13 NCT03CH-182 C CAP 1800P 50V C14 NCT03CH-182 C CAP 1800P 50V C15 NCT03CH-182 C CAP 1800P 50V C16 NCT03CH-821 C CAP 1800P 50V C17 NCT03CH-182 C CAP 1800P 50V C18 NCT03CH-182 C CAP 1800P 50V C19 NCT03CH-182 C CAP 1800P 50V C19 NCT03CH-182 C CAP 1800P 50V C10 NCT03CH-182 C CAP 1800P 50V C10 NCT03CH-182 C CAP 1800P 50V C11 NCT03CH-11 C CAP 100P 50V C12 NCT03CH-11 C CAP 100P 50V C13 NCT03CH-121 C CAP 100P 50V C14 NCT03CH-121 C CAP 100P 50V C20 NCT03CH-221 C CAP 2700P 50V C21 NCT03CH-21 C CAP 120P 50V C22 NCT03CH-181 C CAP 120P 50V C23 NCT03CH-181 C CAP 120P 50V C24 NCT03CH-181 C CAP 120P 50V C25 NCT03CH-181 C CAP 120P 50V C26 NCT03CH-181 C CAP 120P 50V C27 NCT03CH-821 C CAP 1800P 50V C28 NCT03CH-181 C CAP 120P 50V C29 NCT03CH-181 C CAP 120P 50V C29 NCT03CH-181 C CAP 120P 50V C29 NCT03CH-181 C CAP 120P 50V C29 NCT03CH-181 C CAP 120P 50V C29 NCT03CH-181 C CAP 120P 50V C29 NCT03CH-181 C CAP 120P 50V C29 NCT03CH-821 C CAP 120P 50V C29 NCT03CH-821 C CAP 120P 50V C29 NCT03CH-821 C CAP 120P 50V C30 NCT03CH-21 C CAP 120P 50V C31 NCT03CH-21 C CAP 120P 50V C32 NCT03CH-21 C CAP 120P 50V C33 NCT03CH-21 C CAP 120P 50V C34 NCT03CH-21 C CAP 120P 50V C35 NCT03CH-271 C CAP 220P 50V C36 NCT03CH-271 C CAP 220P 50V C37 NCT03CH-271 C CAP 220P 50V C38 NCT03CH-271 C CAP 220P 50V C37 NCT03CH-271 C CAP 220P 50V C38 NCT03CH-271 C CAP 270P 50V			1	0	1/10W
C1 SCV0058-104 MYLAR CAPACITOR 0.1 400V C3 SCV0058-104 MYLAR CAPACITOR 0.1 400V C4 QETA1HM-106 E CAP 10 50V C5 QETA1HM-106 E CAP 10 50V C6 QCZ0206-104 CER.CAPACITOR-S 0.10 C9 NCT03CH-221 C CAP 220P 50V C11 NCT03CH-821 C CAP 820P 50V C12 NCT03CH-831 CER.CAPACITOR-M 680P 50V C13 NCT03CH-182 C CAP 1800P 50V C14 NCT03CH-182 C CAP 1800P 50V C15 NCT03CH-182 C CAP 1800P 50V C16 NCT03CH-821 C CAP 1800P 50V C17 NCT03CH-182 C CAP 1800P 50V C18 NCT03CH-182 C CAP 1800P 50V C19 NCT03CH-182 C CAP 1800P 50V C19 NCT03CH-182 C CAP 1800P 50V C10 NCT03CH-182 C CAP 1800P 50V C10 NCT03CH-182 C CAP 1800P 50V C11 NCT03CH-11 C CAP 100P 50V C12 NCT03CH-11 C CAP 100P 50V C13 NCT03CH-121 C CAP 100P 50V C14 NCT03CH-121 C CAP 100P 50V C20 NCT03CH-221 C CAP 2700P 50V C21 NCT03CH-21 C CAP 120P 50V C22 NCT03CH-181 C CAP 120P 50V C23 NCT03CH-181 C CAP 120P 50V C24 NCT03CH-181 C CAP 120P 50V C25 NCT03CH-181 C CAP 120P 50V C26 NCT03CH-181 C CAP 120P 50V C27 NCT03CH-821 C CAP 1800P 50V C28 NCT03CH-181 C CAP 120P 50V C29 NCT03CH-181 C CAP 120P 50V C29 NCT03CH-181 C CAP 120P 50V C29 NCT03CH-181 C CAP 120P 50V C29 NCT03CH-181 C CAP 120P 50V C29 NCT03CH-181 C CAP 120P 50V C29 NCT03CH-181 C CAP 120P 50V C29 NCT03CH-821 C CAP 120P 50V C29 NCT03CH-821 C CAP 120P 50V C29 NCT03CH-821 C CAP 120P 50V C30 NCT03CH-21 C CAP 120P 50V C31 NCT03CH-21 C CAP 120P 50V C32 NCT03CH-21 C CAP 120P 50V C33 NCT03CH-21 C CAP 120P 50V C34 NCT03CH-21 C CAP 120P 50V C35 NCT03CH-271 C CAP 220P 50V C36 NCT03CH-271 C CAP 220P 50V C37 NCT03CH-271 C CAP 220P 50V C38 NCT03CH-271 C CAP 220P 50V C37 NCT03CH-271 C CAP 220P 50V C38 NCT03CH-271 C CAP 270P 50V					4.4.00
C3         SCV0058-104         MYLAR CAPACITOR         0.1         400V           C4         QETA1HM-106         E CAP         10         50V           C5         QETA1HM-106         E CAP         10         50V           C6         QCZ0206-104         CER.CAPACITOR-S         0.10         0.10           C9         NCT03CH-121         C CAP         220P         50V           C10         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C11         NCT03CH-821         C CAP         390P         50V           C12         NCT03CH-391         C CAP         390P         50V           C13         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C14         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C15         NCT03CH-821         C CAP         120P         50V           C16         NCT03CH-821         C CAP         820P         50V           C17         NCT03CH-821         C CAP         820P         50V           C18         NCT03CH-821         C CAP         820P         50V           C19         NCS21HJ-272         C CAP         220P	R13	NRSA02J-0R0	M.G.RESISTOR	0	1/1000
C3         SCV0058-104         MYLAR CAPACITOR         0.1         400V           C4         QETA1HM-106         E CAP         10         50V           C5         QETA1HM-106         E CAP         10         50V           C6         QCZ0206-104         CER.CAPACITOR-S         0.10         0.10           C9         NCT03CH-121         C CAP         220P         50V           C10         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C11         NCT03CH-821         C CAP         390P         50V           C12         NCT03CH-391         C CAP         390P         50V           C13         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C14         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C15         NCT03CH-821         C CAP         120P         50V           C16         NCT03CH-821         C CAP         820P         50V           C17         NCT03CH-821         C CAP         820P         50V           C18         NCT03CH-821         C CAP         820P         50V           C19         NCS21HJ-272         C CAP         220P	C1	SCV0058-104	MYLAR CAPACITOR	0.1	400V
C4         QETA1HM-106         E CAP         10         50V           C5         QETA1HM-106         E CAP         10         50V           C6         QCZ0206-104         CER.CAPACITOR-S         0.10         0.10           C9         NCT03CH-221         C CAP         220P         50V           C10         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C11         NCT03CH-821         C CAP         390P         50V           C12         NCT03CH-391         C CAP         390P         50V           C13         NCT03CH-381         C CAP         390P         50V           C13         NCT03CH-381         C CAP         1800P         50V           C15         NCT03CH-182         C CAP         1800P         50V           C16         NCT03CH-821         C CAP         820P         50V           C17         NCT03CH-821         C CAP         820P         50V           C18         NCT03CH-821         C CAP         820P         50V           C19         NCS21HJ-272         C CAP         2700P         50V           C20         NCT03CH-391         C CAP         390P         50V	i			1	
C5         QETA1HM-106 QCZ0206-104 QCZ0206-104 CBR.CAPACITOR-S         E CAP 0.10         10         50V           C6         QCZ0206-104 QCZ0206-104 QCZ0206-104 CBR.CAPACITOR-M         0.10         50V           C9         NCT03CH-221 NCT03CH-181 CBR.CAPACITOR-M         180P 180P 180P 180P 180P 180P 180P 180P		i		i	
C6         OCZ0206-104 NCT03CH-221         CER.CAPACITOR-S C CAP         0.10           C10         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C11         NCT03CH-821         C CAP         820P         50V           C12         NCT03CH-391         C CAP         390P         50V           C13         NCT03CH-391         C CAP         390P         50V           C14         NCT03CH-121         C CAP         120P         50V           C15         NCT03CH-182         C CAP         1800P         50V           C16         NCT03CH-821         C CAP         820P         50V           C17         NCT03CH-821         C CAP         820P         50V           C18         NCT03CH-821         C CAP         820P         50V           C19         NCS21HJ-272         C CAP         2700P         50V           C20         NCT03CH-391         C CAP         220P         50V           C21         NCT03CH-391         C CAP         120P         50V           C22         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C24         NCT03CH-281         C CAP         220P         50V		ł			
C9         NCT03CH-221         C CAP         220P         50V           C10         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C11         NCT03CH-821         C CAP         820P         50V           C12         NCT03CH-391         C CAP         390P         50V           C13         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C14         NCT03CH-121         C CAP         120P         50V           C15         NCT03CH-121         C CAP         1800P         50V           C16         NCT03CH-182         C CAP         1800P         50V           C16         NCT03CH-821         C CAP         820P         50V           C17         NCT03CH-821         C CAP         820P         50V           C18         NCT03CH-821         C CAP         2700P         50V           C19         NCS21HJ-272         C CAP         2700P         50V           C21         NCT03CH-391         C CAP         220P         50V           C22         NCT03CH-391         C CAP         180P         50V           C24         NCT03CH-381         CER.CAPACITOR-M         180P         50V </td <td></td> <td>]</td> <td></td> <td>1</td> <td></td>		]		1	
C10         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C11         NCT03CH-821         C CAP         820P         50V           C12         NCT03CH-391         C CAP         390P         50V           C13         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C14         NCT03CH-121         C CAP         120P         50V           C15         NCT03CH-182         C CAP         1800P         50V           C16         NCT03CH-821         C CAP         820P         50V           C17         NCT03CH-821         C CAP         820P         50V           C17         NCT03CH-821         C CAP         820P         50V           C17         NCT03CH-821         C CAP         820P         50V           C18         NCT03CH-821         C CAP         2700P         50V           C19         NCS21HJ-272         C CAP         2700P         50V           C20         NCT03CH-221         C CAP         220P         50V           C21         NCT03CH-391         C CAP         180P         50V           C22         NCT03CH-181         CER.CAPACITOR-M         180P         50V </td <td></td> <td>1</td> <td></td> <td>220P</td> <td>50V</td>		1		220P	50V
C12         NCT03CH-391         C CAP         390P         50V           C13         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C14         NCT03CH-121         C CAP         120P         50V           C15         NCT03CH-182         C CAP         1800P         50V           C16         NCT03CH-821         C CAP         820P         50V           C17         NCT03CH-821         C CAP         820P         50V           C18         NCT03CH-821         C CAP         820P         50V           C18         NCT03CH-101         C CAP         2700P         50V           C19         NCS21HJ-272         C CAP         2700P         50V           C20         NCT03CH-221         C CAP         220P         50V           C21         NCT03CH-231         C CAP         120P         50V           C22         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C24         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C25         NCT03CH-221         C CAP         390P         50V           C26         NCT03CH-391         C CAP         390P         50V </td <td></td> <td>1</td> <td>CER.CAPACITOR-M</td> <td>180P</td> <td>50V</td>		1	CER.CAPACITOR-M	180P	50V
C13         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C14         NCT03CH-121         C CAP         120P         50V           C15         NCT03CH-182         C CAP         1800P         50V           C16         NCT03CH-821         C CAP         820P         50V           C17         NCT03CH-821         C CAP         820P         50V           C18         NCT03CH-821         C CAP         820P         50V           C18         NCT03CH-101         C CAP         100P         50V           C19         NCS21HJ-272         C CAP         2700P         50V           C19         NCS21HJ-272         C CAP         220P         50V           C20         NCT03CH-221         C CAP         220P         50V           C21         NCT03CH-391         C CAP         120P         50V           C22         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C24         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C25         NCT03CH-221         C CAP         390P         50V           C26         NCT03CH-391         C CAP         390P         50V <td>C11</td> <td>NCT03CH-821</td> <td>C CAP</td> <td>820P</td> <td>50V</td>	C11	NCT03CH-821	C CAP	820P	50V
C14 NCT03CH-121 C CAP 120P 50V C15 NCT03CH-821 C CAP 820P 50V C16 NCT03CH-821 C CAP 820P 50V C17 NCT03CH-821 C CAP 820P 50V C18 NCT03CH-101 C CAP 100P 50V C19 NCS21HJ-272 C CAP 2700P 50V C20 NCT03CH-221 C CAP 220P 50V C21 NCT03CH-391 C CAP 390P 50V C22 NCT03CH-121 C CAP 120P 50V C23 NCT03CH-182 C CAP 120P 50V C24 NCT03CH-181 CER.CAPACITOR-M 180P 50V C25 NCT03CH-821 C CAP 220P 50V C26 NCT03CH-821 C CAP 220P 50V C27 NCT03CH-821 C CAP 390P 50V C28 NCT03CH-821 C CAP 390P 50V C29 NCT03CH-821 C CAP 390P 50V C20 NCT03CH-821 C CAP 390P 50V C21 NCT03CH-821 C CAP 390P 50V C22 NCT03CH-821 C CAP 390P 50V C23 NCT03CH-821 C CAP 390P 50V C25 NCT03CH-821 C CAP 390P 50V C28 NCT03CH-821 C CAP 390P 50V C29 NCT03CH-821 C CAP 390P 50V C30 NCT03CH-121 C CAP 120P 50V C31 NCT03CH-271 CERA.CAPA 270P 50V C32 NCT03CH-221 C CAP 220P 50V C33 NCT03CH-221 C CAP 220P 50V C34 NCT03CH-271 CERA.CAPA 270P 50V C35 NCT03CH-271 CERA.CAPA 270P 50V C36 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-270 C CAP 27P 50V	C12	NCT03CH-391	C CAP	390P	50V
C15 NCT03CH-182 C CAP 1800P 50V C16 NCT03CH-821 C CAP 820P 50V C17 NCT03CH-821 C CAP 820P 50V C18 NCT03CH-101 C CAP 100P 50V C19 NCS21HJ-272 C CAP 2700P 50V C20 NCT03CH-221 C CAP 220P 50V C21 NCT03CH-391 C CAP 390P 50V C22 NCT03CH-121 C CAP 120P 50V C23 NCT03CH-182 C CAP 120P 50V C24 NCT03CH-181 CER.CAPACITOR-M 180P 50V C25 NCT03CH-181 CER.CAPACITOR-M 180P 50V C26 NCT03CH-821 C CAP 390P 50V C27 NCT03CH-821 C CAP 390P 50V C28 NCT03CH-821 C CAP 390P 50V C29 NCT03CH-821 C CAP 390P 50V C29 NCT03CH-821 C CAP 390P 50V C29 NCT03CH-821 C CAP 390P 50V C29 NCT03CH-821 C CAP 390P 50V C29 NCT03CH-681 CER.CAPACITOR-M 680P 50V C30 NCT03CH-121 C CAP 120P 50V C31 NCT03CH-471 C CAP 470P 50V C32 NCT03CH-221 C CAP 270P 50V C33 NCT03CH-221 C CAP 220P 50V C34 NCT03CH-271 CERA.CAPA 270P 50V C35 NCT03CH-221 C CAP 220P 50V C36 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-270 CERA.CAPA 270P 50V	C13	NCT03CH-681	CER.CAPACITOR-M	680P	50V
C16         NCT03CH-821         C CAP         820P         50V           C17         NCT03CH-821         C CAP         820P         50V           C18         NCT03CH-101         C CAP         100P         50V           C19         NCS21HJ-272         C CAP         2700P         50V           C20         NCT03CH-221         C CAP         220P         50V           C21         NCT03CH-391         C CAP         390P         50V           C22         NCT03CH-121         C CAP         120P         50V           C23         NCT03CH-182         C CAP         1800P         50V           C24         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C25         NCT03CH-221         C CAP         220P         50V           C26         NCT03CH-821         C CAP         820P         50V           C27         NCT03CH-391         C CAP         390P         50V           C28         NCT03CH-391         C CAP         390P         50V           C30         NCT03CH-211         C CAP         120P         50V           C31         NCT03CH-471         C CAP         470P         50V <tr< td=""><td>C14</td><td>NCT03CH-121</td><td>C CAP</td><td>120P</td><td>50V</td></tr<>	C14	NCT03CH-121	C CAP	120P	50V
C17         NCT03CH-821         C CAP         820P         50V           C18         NCT03CH-101         C CAP         100P         50V           C19         NCS21HJ-272         C CAP         2700P         50V           C20         NCT03CH-221         C CAP         220P         50V           C21         NCT03CH-391         C CAP         390P         50V           C22         NCT03CH-121         C CAP         120P         50V           C23         NCT03CH-182         C CAP         1800P         50V           C24         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C25         NCT03CH-221         C CAP         220P         50V           C26         NCT03CH-381         CER.CAPACITOR-M         180P         50V           C27         NCT03CH-381         C CAP         390P         50V           C28         NCT03CH-391         C CAP         390P         50V           C29         NCT03CH-391         C CAP         390P         50V           C30         NCT03CH-471         C CAP         470P         50V           C31         NCT03CH-271         CERA.CAPA         270P         50V	C15	NCT03CH-182	C CAP	1800P	50V
C18         NCT03CH-101         C CAP         100P         50V           C19         NCS21HJ-272         C CAP         2700P         50V           C20         NCT03CH-221         C CAP         220P         50V           C21         NCT03CH-391         C CAP         390P         50V           C22         NCT03CH-121         C CAP         120P         50V           C23         NCT03CH-182         C CAP         1800P         50V           C24         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C25         NCT03CH-221         C CAP         220P         50V           C26         NCT03CH-821         C CAP         820P         50V           C27         NCT03CH-391         C CAP         390P         50V           C28         NCT03CH-391         C CAP         390P         50V           C29         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C30         NCT03CH-211         C CAP         120P         50V           C31         NCT03CH-271         CERA.CAPA         270P         50V           C32         NCT03CH-221         C CAP         220P         50V	C16	NCT03CH-821	C CAP	820P	50V
C19         NCS21HJ-272         C CAP         2700P         50V           C20         NCT03CH-221         C CAP         220P         50V           C21         NCT03CH-391         C CAP         390P         50V           C22         NCT03CH-121         C CAP         120P         50V           C23         NCT03CH-182         C CAP         1800P         50V           C24         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C25         NCT03CH-221         C CAP         220P         50V           C26         NCT03CH-81         CER.CAPACITOR-M         180P         50V           C27         NCT03CH-821         C CAP         820P         50V           C28         NCT03CH-391         C CAP         390P         50V           C29         NCT03CH-391         C CAP         120P         50V           C30         NCT03CH-471         C CAP         120P         50V           C31         NCT03CH-271         CERA.CAPA         270P         50V           C32         NCT03CH-221         C CAP         220P         50V           C34         NCT03CH-390         C CAP         29P         50V     <	C17	NCT03CH-821	C CAP	820P	50V
C20         NCT03CH-221         C CAP         220P         50V           C21         NCT03CH-391         C CAP         390P         50V           C22         NCT03CH-121         C CAP         120P         50V           C23         NCT03CH-182         C CAP         1800P         50V           C24         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C25         NCT03CH-221         C CAP         220P         50V           C26         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C27         NCT03CH-821         C CAP         820P         50V           C28         NCT03CH-391         C CAP         390P         50V           C29         NCT03CH-391         C CAP         120P         50V           C30         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C31         NCT03CH-471         C CAP         470P         50V           C32         NCT03CH-271         CERA.CAPA         270P         50V           C34         NCT03CH-221         C CAP         39P         50V           C35         NCT03CH-390         C CAP         39P         50V </td <td>C18</td> <td>NCT03CH-101</td> <td>C CAP</td> <td>100P</td> <td>50V</td>	C18	NCT03CH-101	C CAP	100P	50V
C21         NCT03CH-391         C CAP         390P         50V           C22         NCT03CH-121         C CAP         120P         50V           C23         NCT03CH-182         C CAP         1800P         50V           C24         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C25         NCT03CH-221         C CAP         220P         50V           C26         NCT03CH-81         CER.CAPACITOR-M         180P         50V           C27         NCT03CH-821         C CAP         820P         50V           C28         NCT03CH-391         C CAP         390P         50V           C29         NCT03CH-391         C CAP         120P         50V           C30         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C31         NCT03CH-471         C CAP         470P         50V           C32         NCT03CH-271         CERA.CAPA         270P         50V           C33         NCT03CH-221         C CAP         39P         50V           C34         NCT03CH-390         C CAP         39P         50V           C35         NCT03CH-271         CER.CAPACITOR-M         560P	C19	NCS21HJ-272		1	
C22         NCT03CH-121         C CAP         120P         50V           C23         NCT03CH-182         C CAP         1800P         50V           C24         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C25         NCT03CH-221         C CAP         220P         50V           C26         NCT03CH-821         C CAP         820P         50V           C27         NCT03CH-821         C CAP         390P         50V           C28         NCT03CH-391         C CAP         390P         50V           C29         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C30         NCT03CH-681         C CAP         120P         50V           C31         NCT03CH-471         C CAP         470P         50V           C32         NCT03CH-271         CERA.CAPA         270P         50V           C33         NCT03CH-221         C CAP         220P         50V           C34         NCT03CH-390         C CAP         39P         50V           C35         NCT03CH-271         CER.CAPACITOR-M         560P         50V           C36         NCT03CH-271         CERA.CAPA         270P	C20	NCT03CH-221	C CAP	i	
C23         NCT03CH-182         C CAP         1800P         50V           C24         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C25         NCT03CH-221         C CAP         220P         50V           C26         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C27         NCT03CH-821         C CAP         820P         50V           C28         NCT03CH-391         C CAP         390P         50V           C29         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C30         NCT03CH-121         C CAP         120P         50V           C31         NCT03CH-471         C CAP         470P         50V           C32         NCT03CH-271         CERA.CAPA         270P         50V           C33         NCT03CH-221         C CAP         39P         50V           C34         NCT03CH-390         C CAP         39P         50V           C35         NCT03CH-561         CER.CAPACITOR-M         560P         50V           C36         NCT03CH-271         CERA.CAPA         270P         50V           C37         NCT03CH-271         CERA.CAPA         270P		1		1	
C24 NCT03CH-181 CER.CAPACITOR-M 180P 50V C25 NCT03CH-221 C CAP 220P 50V C26 NCT03CH-181 CER.CAPACITOR-M 180P 50V C27 NCT03CH-821 C CAP 820P 50V C28 NCT03CH-391 C CAP 390P 50V C29 NCT03CH-681 CER.CAPACITOR-M 680P 50V C30 NCT03CH-121 C CAP 120P 50V C31 NCT03CH-471 C CAP 470P 50V C32 NCT03CH-271 CERA.CAPA 270P 50V C33 NCT03CH-221 C CAP 220P 50V C34 NCT03CH-221 C CAP 39P 50V C35 NCT03CH-390 C CAP 39P 50V C36 NCT03CH-561 CER.CAPACITOR-M 560P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-271 CERA.CAPA 270P 50V C38 NCT03CH-270 C CAP 120P 50V C38 NCT03CH-270 C CAP 120P 50V C38 NCT03CH-270 C CAP 27P 50V		3		1	- 1
C25         NCT03CH-221         C CAP         220P         50V           C26         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C27         NCT03CH-821         C CAP         820P         50V           C28         NCT03CH-391         C CAP         390P         50V           C29         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C30         NCT03CH-121         C CAP         120P         50V           C31         NCT03CH-471         C CAP         470P         50V           C32         NCT03CH-271         CERA.CAPA         270P         50V           C33         NCT03CH-221         C CAP         220P         50V           C34         NCT03CH-390         C CAP         39P         50V           C35         NCT03CH-561         CER.CAPACITOR-M         560P         50V           C36         NCT03CH-271         CERA.CAPA         270P         50V           C37         NCT03CH-271         CERA.CAPA         270P         50V           C38         NCT03CH-270         C CAP         120P         50V	C23	NCT03CH-182	C CAP	1800P	50V
C26         NCT03CH-181         CER.CAPACITOR-M         180P         50V           C27         NCT03CH-821         C CAP         820P         50V           C28         NCT03CH-391         C CAP         390P         50V           C29         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C30         NCT03CH-121         C CAP         120P         50V           C31         NCT03CH-471         C CAP         470P         50V           C32         NCT03CH-271         CERA.CAPA         270P         50V           C33         NCT03CH-221         C CAP         220P         50V           C34         NCT03CH-390         C CAP         39P         50V           C35         NCT03CH-561         CER.CAPACITOR-M         560P         50V           C36         NCT03CH-271         CERA.CAPA         270P         50V           C37         NCT03CH-271         CERA.CAPA         270P         50V           C38         NCT03CH-270         C CAP         120P         50V	C24	NCT03CH-181	CER.CAPACITOR-M	180P	50V
C27         NCT03CH-821         C CAP         820P         50V           C28         NCT03CH-391         C CAP         390P         50V           C29         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C30         NCT03CH-121         C CAP         120P         50V           C31         NCT03CH-471         C CAP         470P         50V           C32         NCT03CH-271         CERA.CAPA         270P         50V           C33         NCT03CH-221         C CAP         220P         50V           C34         NCT03CH-390         C CAP         39P         50V           C35         NCT03CH-561         CER.CAPACITOR-M         560P         50V           C36         NCT03CH-271         CERA.CAPA         270P         50V           C37         NCT03CH-121         C CAP         120P         50V           C38         NCT03CH-270         C CAP         27P         50V	C25	NCT03CH-221	C CAP	220P	50V
C28         NCT03CH-391         C CAP         390P         50V           C29         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C30         NCT03CH-121         C CAP         120P         50V           C31         NCT03CH-471         C CAP         470P         50V           C32         NCT03CH-271         CERA.CAPA         270P         50V           C33         NCT03CH-221         C CAP         220P         50V           C34         NCT03CH-390         C CAP         39P         50V           C35         NCT03CH-561         CER.CAPACITOR-M         560P         50V           C36         NCT03CH-271         CERA.CAPA         270P         50V           C37         NCT03CH-121         C CAP         120P         50V           C38         NCT03CH-270         C CAP         27P         50V		NCT03CH-181	CER.CAPACITOR-M		
C29         NCT03CH-681         CER.CAPACITOR-M         680P         50V           C30         NCT03CH-121         C CAP         120P         50V           C31         NCT03CH-471         C CAP         470P         50V           C32         NCT03CH-271         CERA.CAPA         270P         50V           C33         NCT03CH-221         C CAP         220P         50V           C34         NCT03CH-390         C CAP         39P         50V           C35         NCT03CH-561         CER.CAPACITOR-M         560P         50V           C36         NCT03CH-271         CERA.CAPA         270P         50V           C37         NCT03CH-121         C CAP         120P         50V           C38         NCT03CH-270         C CAP         27P         50V	C27				
C30 NCT03CH-121 C CAP 120P 50V C31 NCT03CH-271 C CAP 470P 50V C32 NCT03CH-271 CERA.CAPA 270P 50V C33 NCT03CH-221 C CAP 220P 50V  C34 NCT03CH-390 C CAP 39P 50V C35 NCT03CH-561 CER.CAPACITOR-M 560P 50V C36 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-121 C CAP 120P 50V C38 NCT03CH-270 C CAP 27P 50V		1	1	1	
C31 NCT03CH-471 C CAP 470P 50V C32 NCT03CH-271 CERA.CAPA 270P 50V C33 NCT03CH-221 C CAP 220P 50V  C34 NCT03CH-390 C CAP 39P 50V C35 NCT03CH-561 CER.CAPACITOR-M 560P 50V C36 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-121 C CAP 120P 50V C38 NCT03CH-270 C CAP 27P 50V		i	ţ	i .	
C32 NCT03CH-271 CERA.CAPA 270P 50V C33 NCT03CH-221 C CAP 220P 50V C35 NCT03CH-561 CER.CAPACITOR-M 560P 50V C36 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-121 C CAP 120P 50V C38 NCT03CH-270 C CAP 120P 50V C38 NCT03CH-270 C CAP 27P 50V					ı
C33 NCT03CH-221 C CAP 220P 50V  C34 NCT03CH-390 C CAP 39P 50V  C35 NCT03CH-561 CER.CAPACITOR-M 560P 50V  C36 NCT03CH-271 CERA.CAPA 270P 50V  C37 NCT03CH-121 C CAP 120P 50V  C38 NCT03CH-270 C CAP 27P 50V					I
C34 NCT03CH-390 C CAP 39P 50V C35 NCT03CH-561 CER.CAPACITOR-M 560P 50V C36 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-121 C CAP 120P 50V C38 NCT03CH-270 C CAP 27P 50V				1	1
C35 NCT03CH-561 CER.CAPACITOR-M 560P 50V C36 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-121 C CAP 120P 50V C38 NCT03CH-270 C CAP 27P 50V	C33	NC103CH-221	C CAP	2201	5UV .
C36 NCT03CH-271 CERA.CAPA 270P 50V C37 NCT03CH-121 C CAP 120P 50V C38 NCT03CH-270 C CAP 27P 50V	C34	NCT03CH-390	C CAP	39P	50V
C37 NCT03CH-121 C CAP 120P 50V C38 NCT03CH-270 C CAP 27P 50V	C35	NCT03CH-561	CER.CAPACITOR-M	560P	
C38 NCT03CH-270 C CAP 27P 50V	C36	NCT03CH-271	CERA.CAPA	270P	50V
	C37	NCT03CH-121		1 .	
C30   NCTO3CH-561   CER CAPACITOR-M   560P 50V		i e			
	C39	NCT03CH-561	CER.CAPACITOR-M	560P	50V
C40 NCT03CH-6R0 C CAP 6.0P 50V	C40	NCT03CH-6R0	C CAP	6.0P	50V

## 6.7 PSA board assembly list 18 $\langle SCK1111-2-00A \rangle$

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Symbol No.	Part No.	Part Name	Description	Symbol No.	Part No.	Part Näme	Description
L1	SCV2039-001	COIL	10μΗ	IC1	M51978P	I.C.(M)	MITSUBISHI
L2	SCV2040-001	TRANS	500μH				
L3	SCV1908-2R7	COIL	2.7μΗ				
L4	SCV1908-4R7	COIL	4.7μH	Q1	2SK1101	FET	FUJIELECTRIC
L5	SCV1908-1R8	COIL	1.8μH				
L6	SCV1908-150	PEAKING COIL	15μH				
L7	SCV1908-150	PEAKING COIL	15µH	D1	ERB38-06	SI.DIODE	FUJI ELECTRIC
L8	SCV1908-150	PEAKING COIL	15μH	D2	ERA91-02	SI.DIODE	FUJI ELECTRIC
L9	SCV1908-2R7	COIL	2.7μH	D3	ERA91-02	SI.DIODE	FUJI ELECTRIC
L10	SCV1908-4R7	COIL	4.7μH	D21	ESAC85M-009	SI.DIODE	FUJI ELECTRIC
			1	D22	ERA91-02	SI.DIODE	FUJI ELECTRIC
L11	SCV1908-1R8	COIL	1.8μH	D23	ERA91-02	SI.DIODE	FUJI ELECTRIC
L12	SCV1908-3R9	PEAKING COIL	3.9µH	D24	HZS12B3L	ZENER DIODE	CANIVO
L13	SCV1908-3R9	PEAKING COIL	3.9µH	D25	GZA5.1(Y)	ZENER DIODE	SANYO
L14	SCV1908-3R9	PEAKING COIL	3.9µH				
	İ			PC1	TLP521-1	I.C(PH.COUPLER)	
	001/11/17 004	CONNECTOR		PC2	TLP521-1	I.C(PH.COUPLER)	
S1	SCV1147-004	CONNECTOR		FC2	ILF521-1	I.CIPH.COOPLEN/	
S2	SCV1147-004	CONNECTOR					
				. R1	QRV141F-1802	MFR	18.0K 1/4W
CN12	SSV1591-S02	CONNECTOR	2-PIN	R2	QRV141F-1802	MFR	18.0K 1/4W
CN12	SCV1489-003	CONNECTOR	3-PIN	R3	QRV141F-1802	MFR	18.0K 1/4W
CNTO	30 1409 003	CONNECTOR		R4	QRV141F-1802	MFR	18.0K 1/4W
				R5	QRV141F-1802	MFR	18.0K 1/4W
JK1	SCV2041-001	RF CONNECTOR	1	R6	QRV141F-47R0	M.F.RESISTOR	47.0 1/4W
JK2	SCV2041-001	RF CONNECTOR		R7	QRV141F-1500	M.F.RESISTOR	150 1/4W
JK3	SCV2041-001	RF CONNECTOR		R8	QRG026J-473	O.M.F.RESISTOR	47K 2W
JK4	SCV2041-001	RF CONNECTOR		R9	QRM055K-R10	MPR	0.10 5W
JK5	SCV2165-001	JACK		R10	QRV141F-68R0	MFR .	68.0 1/4W
"							
1				R11	QRD161J-4R7	CR	4.7 1/6W
T1	SCV2038-001	RF TRANSF		R12	QRV141F10R0	M.F.RESISTOR	10.0 · 1/4W
T2	SCV1776-001	RF TRANS		R13	QRV141F-1002	MFR	10.0K 1/4W
				R21	QRV141F-22R0	MFR	22.0 1/4W
				R22	QRV141F-22R0	MFR	22.0 1/4W
				R23	SCV1886-020	SHUNT RESISTOR	0.02 2W
1				R24	QRV141F-22R0	MFR	22.0 1/4W
				R25	QRV141F-47R0	M.F.RESISTOR	47.0 1/4W
				R26	QRV141F-4700	MFR	470 1/4W
				R27	QRV141F-2701	M.F.RESISTOR	2.70K 1/4W
				200	0001115 1000	MED	100
				R28 R29	QRV141F-1000	MFR MFR	100 1/4W 470 1/4W
				R30	QRV141F-4700 QRV141F-22R0	MFR	22.0 1/4W
				h30	UNV 141F-22NU	MICH	22.0 1747
				VR1	QVPB609-102	VR	1.0K 12V ADJ
			· .	*'''	211 5000 102	***	1.00
				C1	QFN42EK-224	MYLAR CAPACITOR	0.22 250V
				C2	QFN42EK-224	MYLAR CAPACITOR	0.22 250V
	-			C3	QCZ9019-222	C.CAPACITOR	2200P
				C4	QCZ9019-222	C.CAPACITOR	2200P
				C5	QEZ0173~277	E CAP	270
				C6	QEHA1HM-107	E.CAPACITOR	100 50V
				C7	SCV0058-104	MYLAR CAPACITOR	0.1 400V
			1	C21	QCY12HK-471	C CAP	470P 500V
				C22	QCY12HK~471	C CAP	47.0P 500V
				C23	QEHA1CM-108	E.CAPACITOR	1000 16V
1							
1				C24	QEHA1CM-108	E.CAPACITOR	1000 16V
1				C25	QEHA1CM-477	E.CAPACITOR	470 16V
				C26	QETA1EM-107	E.CAPACITOR-CV-	100 25V
1				C27	QETA1HM-106	E CAP	10 50V
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## 6.8 BAT board assembly list 2.1 (SCK2373-09-00A)

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Symbol No.	Part No.	Part Name	Description	
C28 C29	QEXA1CM-107 QCY12HK-471	E CAP C CAP	100 16V 470P 500V	
L21 L22 L23 L24	SCV1869-001 SCV1870-4R7 SCV2318-001 SCV2318-001	CHOKE COIL CHOKE COIL CHOKE COIL	4.7μΗ	4
CN8 CN16	SSV1283-004 SSV1283-003	CONNECTOR CONNECTOR	4-PIN 3-PIN	
FL1	SCV1868-001	LINE FILTER		
T1	SCV1871-001	DRIVE TRANS		
	CBM1 CB	MC1114-K-00A PV	VM CBM	
R1 R2 R3 R4 R5	NRVA02D-6800 NRVA02D-2702 NRVA02D-2702 NRVA02D-4703 NRVA02D-2202	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	680 1/10W 27K 1/10W 27K 1/10W 470K 1/10W 22K 1/10W	
C1 C2 C3 C4 C5 C6	NCB21HK-223 NCF21EZ-104 NCT03CH-151 NCT03CH-151 NCF21EZ-104 NCB21HK-223	C CAP C CAP C CAP C CAP C CAP C CAP	0.022 50V 0.10 25V 150P 50V 150P 50V 0.10 25V 0.022 50V	
	CBM2 CBI	   MC1114-L-00A CO	MP CBM	-
IC1	NJM2904M	I.C.(M)	JRC	
R1 R2 R3 R4 R5 R6 R7 R8	NRVA02D-1501 NRVA02D-2202 NRVA02D-1000 NRVA02D-1501 NRVA02D-1501 NRVA02D-2203 NRVA02D-4701 NRVA02D-4701	M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR M.F.RESISTOR	1.5K 1/10W 22K 1/10W 100 1/10W 1.5K 1/10W 1.5K 1/10W 220K 1/10W 4.7K 1/10W 4.7K 1/10W	
C1 C2 C3	NCF21EZ-104 NCB21HK-333 NCB21HK-103	C CAP CER.CAPACITOR-M CER.CAPACITOR-M	0.10 25V 0.033 50V 0.010 50V	

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Symbol No.	Part No.	Part Name	Description
01	2SC3311A(RS)	SI.TRANSISTOR	MATSUSHITA
LD1	SLB-26UR5	LED	
R1 R2	QRD161J-222 . QRD161J-223	CR CARBON RESISTOR	2.2K 1/6W 22K 1/6W
S1 , S2	SCV1881-001 SCV0337-002	PUSH SWITCH TOGGLE SWITCH	CALL TALLY SW
CN10	SSV1591-S04	CONNECTOR	4-PIN
SP1	SC43656-095	SPACER	
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## ⟨SCK2373-02-00A⟩

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Symbol No.	Part No.	Part Name	Description	
IC1	SI=3090C	I.C.(M)	SANKEN	7
IC2	NJM2068DD	I.C(MONO-ANA)	JRC CV	
IC3	NJM4560DD	I.C.(MONO-ANA)	JRC	
IC4	TC4053BP	1.C.(M)	TOSHIBA	
IC5	NJM2068DD	I.C(MONO-ANA)	JRC CV	
IC6	NJM4560DD	I.C.(MONO-ANA)	JRC	
. 100	1100000			+
	00000114/00	SI.TRANSISTOR	MATSUSHITA	
01	2SC3311A(RS)		MATSUSHITA	1
Q2	2SC3311A(RS)	SI.TRANSISTOR TRANSISTOR	MATSUSHITA	
Q3	2SA1309A(R\$)	I KANSISTOR	MAISUSHIIA	
	}			ŀ
D1	MA165	DIODE	MATSUSHITA	1
D2	MA165	DIODE	MATSUSHITA	-
D3 .	MA165	DIODE	MATSUSHITA	
D4	MA165	DIODE	MATSUSHITA	
D5	MA165	DIODE	MATSUSHITA	
D6	MA165	DIODE	MATSUSHITA	
D7	MA165	DIODE	MATSUSHITA	1
D8	MA165	DIODE	MATSUSHITA	
D9	MA165	DIODE	MATSUSHITA	
D10	MA165	DIODE	MATSUSHITA	
D11	MA165	DIODE	MATSUSHITA	
D12	MA165	DIODE	MATSUSHITA	
ŀ				
R1	QRD161J-223	CARBON RESISTOR	22K 1/6W	
R2	QRD161J-221	CR	220 1/6W	
R3	QRD161J-223	CARBON RESISTOR	22K 1/6W	1
R4	QRD161J-223	CARBON RESISTOR	22K 1/6W	1
R5	QRD161J-100	CR	10 1/6W	
R6	QRD161J-100	CR	10 1/6W	
R7	QRD161J-473	CARBON RESISTOR	47K 1/6W	
R8	QRD161J-473	CARBON RESISTOR	47K 1/6W	ļ
R9	QRD161J-681	CR	680 1/6W	
R10	QRD161J-103	CARBON RESISTOR	10K 1/6W	
R11	QRD161J-103	CARBON RESISTOR	10K 1/6W	1
R12	QRD161J-221	CR	220 1/6W	ľ
R13	QRD161J-471	CARBON RESISTOR	470 1/6W	1
R14	QRD161J-223	CARBON RESISTOR	22K 176W	
R15	QRD161J-472	CR	4.7K 1/6W	
R16	QRD161J-223	CARBON RESISTOR	22K 1/6W	
R17	QRD161J-472	CR	4.7K 1/6W	
R18	QRD161J-472	CR	4.7K 1/6W	1
R19	QRD161J-103	CARBON RESISTOR	10K 1/6W	ľ
R20	QRD161J-100	CR	10 1/6W	
R21	QRD161J-220	CR	22 1/6W	
R22	QRD161J-332	CR	3.3K 1/6W	
R23	QRD161J-332	CR	180 1/6W	
R24	QRD161J-103	CARBON RESISTOR	10K 1/6W	
R25	QRD161J-103	CARBON RESISTOR	10K 1/6W	
R26	QRD161J-103	CARBON RESISTOR	22K 1/6W	1
1	QRD161J-222	CARBON RESISTOR	1.2K 1/6W	
R27	QRD161J-122	CR CR	470K 1/6W	
R28	1	CR	220 1/6W	
R29 R30	QRD161J-221 QRD161J-221	CR	220 1/6W	
	000161   472	CB	4.7K 1/6W	
R31	QRD161J-472	CR .	220 1/6W	
R32	QRD161J-221	CR CR	560 1/6W	
R33	QRD161J-561	CR	560 1/6W	1
R34	QRD161J-561	1011	17077	1

Symbol No.	Part No.	Part Name	Description
R35 R36 R37 R38 R39	QRD161J-103 QRD161J-223 QRD161J-103 QRD161J-103 QRD161J-221	CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR CARBON RESISTOR CR	10K 1/6W 22k 1/6W 10K 1/6W 10K 1/6W 220 1/6W
C1 C2 C3 C4 C5 C6 C7 C8 C9	QER41CM-476 QER41CM-476 QFN41HJ-102 QFN41HJ-102 QEP41CM-106 QEP41CM-106 QER41CM-107 QCS11HJ-391 QCS11HJ-391 QER41CM-476	E CAP E CAP MYLAR CAPACITOR MYLAR CAPACITOR NP E.CAPACITOR NP E.CAPACITOR E.CAPACITOR C CAP C CAP E CAP	47 16V 47 16V 1000P 50V 1000P 50V 10 16V 10 16V 10 16V 390P 50V 390P 50V 47 16V
C11 C12 C13 C14 C15 C16 C17 C18 C19 C20	QER41CM-107 QCZ0206-104 QER41CM-106 QCS11HJ-470 QER41CM-106 QER41CM-476 QER41CM-476 QER41CM-476 QER41CM-476 QER41CM-476 QER41CM-476	E.CAPACITOR CER.CAPACITOR-S E CAP CER.CAPACITOR-S E CAP E CAP E CAP E CAP E CAP E CAP E CAP E CAP	100 16V 0.10 10 16V 47P 50V 10 16V 47 16V 47 16V 47 16V 47 16V 47 16V 47 16V
C21 C22 C23	QER41CM-476 QER41CM-107 QETA1EM-108	E CAP E.CAPACITOR E.CAPACITOR(CV)	47 16V 100 16V 1000 25V
L1 L2	SCV0331-220 SCV0331-220	PEAKING COIL PEAKING COIL	22µH 22µH
LC1 LC2 LC3	EXC-EMT102BT EXC-EMT102BT EXC-EMT102BT	LC FILTER LC FILTER LC FILTER	ar .
S1	QSS1F22-S03	SLIDE SWITCH	
CN6 CN7 CN9 CN11 CN13 CN14 CN15	SSV1591-S10 SSV1591-S04 SSV1591-S08 SSV1320-020 SSV1591-S03 SSV1591-S03 SSV1591-S04 SSV1591-S06	CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR	10-PIN 4-PIN 8-PIN 20-PIN 3-PIN 3-PIN 4-PIN 6-PIN
TP1 TP2 TP3 TP4	SSV1600-001 SSV1600-001 SSV1600-001 SSV1600-001	TEST POINT TEST POINT TEST POINT TEST POINT	

6.10	PWS	board	assembly	list	5 1
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6.12	CNB	board	assembly	list	5 3
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Symbol No.	Part No.	Part Name	Description
\$2	SCV0335-011	TOGGLE SWITCH	
CN13 CN18 CN19	SSV1591-SO3 SSV1591-SO2 SSV1591-SO3	CONNECTOR CONNECTOR CONNECTOR	3-PIN 2-PIN 3-PIN

Symbol No.	Part No.	Part Name	Description
C1 C2 C3 C4 C5 C6	QCZ0206-104 QCF11HP-102 QCZ0206-104 QCZ0206-104 QCF11HP-102 QCZ0206-104	CER.CAPACITOR-S CER.CAPACITOR-S CER.CAPACITOR-S CER.CAPACITOR-S CER.CAPACITOR-S CER.CAPACITOR-S	0.10 1000P 50V 0.10 0.10 1000P 50V 0.10
CN5 CN11 CN39	SCV1978-L03 SCV1766-020 SCV124450S	CONNECTOR CONNECTOR CONNECTOR	3–PIN 20–PIN 50–PIN

#### 6.11 CTL board assembly list 52 ⟨SCK2373-06-00A⟩

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ζ;	SCK2373-06-0				
Symbol No.	Part No.	Part Name	Description		
LD1	SLR-54UR5	L.E.D.	ROHM POWER		
R1	QRD161J~220	CR	22 1/6W		
VR1	SCV1758-202	TRIM.RESISTOR	2K INTCOM LEVEL		
\$1 \$2	SCV0490-011 SCV0490-011	SLIDE SWITCH SLIDE SWITCH	INTCOM MIC MIC		
CN17	SSV1591-L06	CONNECTOR	6-PIN		
SP1	SC43656-085	SPACER			